

**RARE PLANT SURVEY REPORT
FOR THE SAN DIEGO GAS & ELECTRIC
CLEVELAND NATIONAL FOREST
MASTER SERVICES PERMIT PROJECT
IN THE CLEVELAND NATIONAL FOREST
AND SURROUNDING AREAS
SAN DIEGO COUNTY, CALIFORNIA**

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SECTION 1.0 – INTRODUCTION

1.1. PROJECT DESCRIPTION

The Cleveland National Forest (CNF) is requesting an Environmental Impact Statement (EIS) be prepared for the issuance of a Master Special Use Permit to the San Diego Gas and Electric Company (SDG&E). The Master Special Use Permit would cover the operations and maintenance of the existing electric distribution and transmission lines, appropriate access roads, and facilities within the Trabuco, Palomar, and Descanso ranger districts of the CNF. The existing facilities are needed to supply power to local communities, residents, and government-owned facilities located within and adjacent to the CNF. The CNF is also analyzing operational and equipment upgrades and improvements to the existing lines. The Master Special Use Permit would also include conditions necessary for resource protection. Chambers Group has conducted biological surveys, including focused sensitive wildlife species surveys and focused surveys for rare plants, along the distribution and transmission line right-of-ways (ROWs) within the CNF and surrounding areas (Project Area). The objective of this study was to determine the presence or absence of 39 targeted sensitive plant species as requested by the United States Forest Service (USFS) within the proposed Project Area. For purposes of this report, species are considered to be sensitive if, in accordance with the final Project EIS, they are a federal- or state-listed as threatened or endangered species or they are listed by the CNPS as a sensitive species with a limited distribution. Five categories of plants are considered sensitive by the CNPS. These include:

- List 1A – Plants presumed extinct in California;
- List 1B – Plants rare and endangered in California and throughout their range;
- List 2 – Plants rare, threatened, or endangered in California but more common elsewhere in their range;
- List 3 – Plants about which we need more information; a review list; and
- List 4 – Plants of limited distribution; a watch list.

1.2. PROJECT AREA

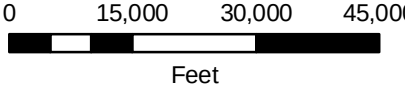
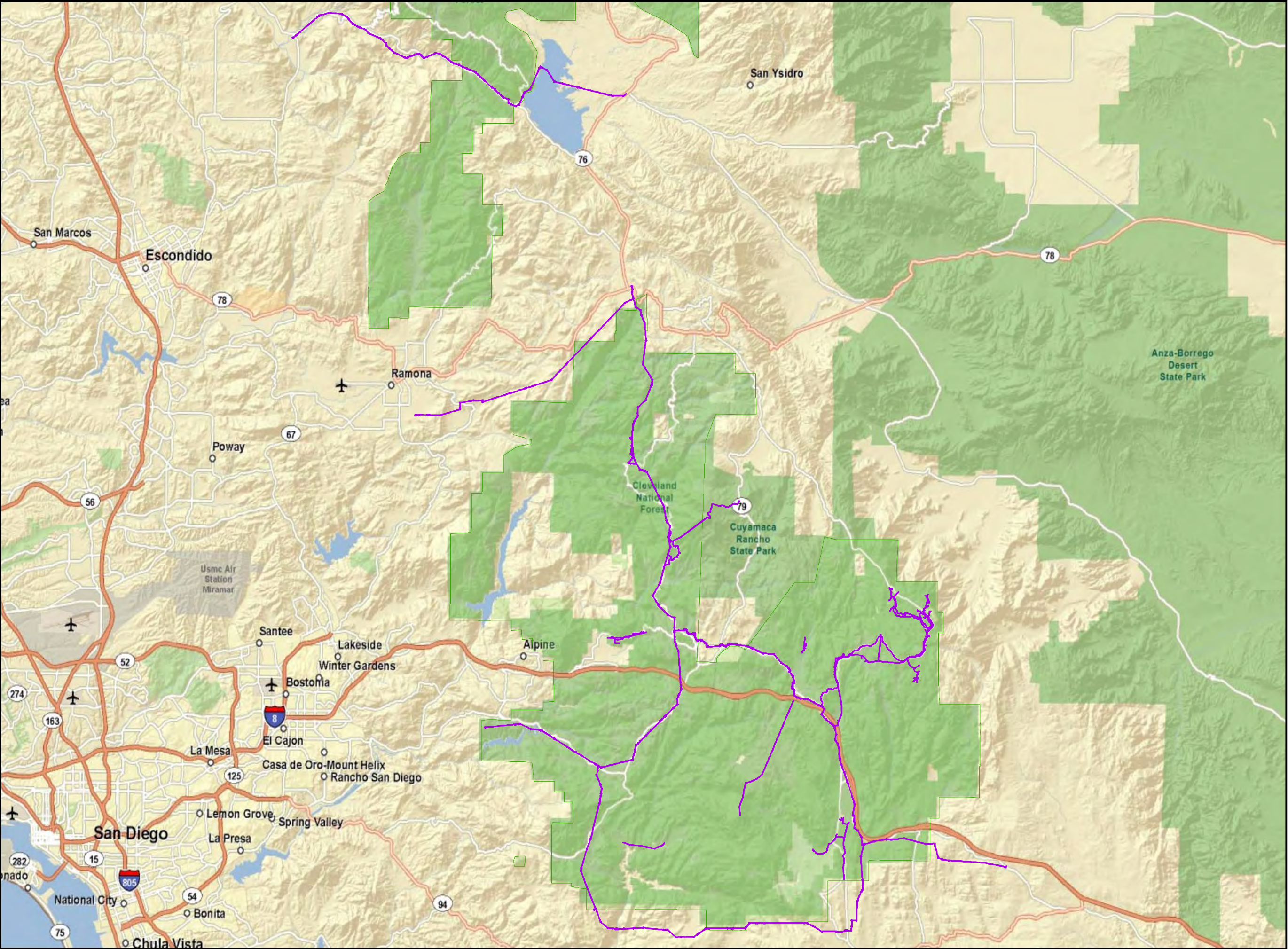
The Project Area includes approximately 167 linear miles of 12 transmission and distribution lines and includes the associated access roads and work areas (Figure 1). The Project Area extends into 14 United States Geological Survey (USGS) 7.5-minute quadrangles that include Warner Ranch, Palomar Observatory, Pala, Santa Ysabel, Ramona, Cuyamaca Peak, Descanso, Mount Laguna, Cameron Corners, Live Oak Springs, Morena Reservoir, Barrett Lake, Vejas Mountain, and Julian. The area surveyed ranged from the unincorporated area of Warner Springs in north San Diego County to the unincorporated community of Lake Morena Village at the south end of the county. The survey areas within the Cleveland National Forest crossed through multiple ranger districts including the Descanso and Palomar Ranger Districts. Survey areas were not restricted to Cleveland National Forest lands. Survey areas also intersected lands belonging to private citizens, the Bureau of Land Management (BLM), the Vista Irrigation District, the La Jolla Band of Luiseño Indians, and the Campo Kumeyaay Nation.

The area surveyed consisted of a 150-foot buffer around each transmission/distribution pole centerline which was extended to a 250-foot radius around each pole where the overhead line makes an angle

CNF Rare Plant
Survey – 2010
Vicinity Map

LEGEND

-  Survey Area
-  Cleveland National Forest
Congressional District Boundary
-  CNF Managed Lands



1 inch = 23,333 feet @ 11" x 17"
1:280,000



greater than 2 degrees. The additional buffer is to include potential additional work space that is typically required during operation and maintenance work at angle points within the overhead lines. Individual circuit and TL segments are identified by geographical locations within San Diego County and are referenced by the associated transmission/distribution line (tie-line, TL). One master mapbook was created for all areas that required surveying (Survey Area); however, due to its size only the relevant mapbook pages are included in this report (Appendix A) ^[1].

1.3. AREA DIVISIONS

The following six TLs and six circuits are located primarily in the CNF and traverse the Viejas, La Posta, Campo, Manzanita, La Jolla, and Rincon tribal reservations as well as the City of San Diego reservoir facilities of Lake Morena and Barrett Lake, the unincorporated community boundaries of Alpine, Descanso, Potrero, Campo, Warner Springs, Pauma Valley, Santa Ysabel, Julian, Cameron Corners, Ramona, San Diego Country Estates, Cuyamaca, and Laguna Mountain. TLs and circuits are outlined per the SDG&E naming convention of TL and circuits in this report.

- TL 682 begins at the Warner Substation in the unincorporated area of Warner Springs, California, and continues west to the Rincon Substation crossing the La Jolla and Rincon reservations.
- TL 637 begins in the unincorporated community of Santa Ysabel and continues southwest to the unincorporated communities of San Diego Country Estates and Ramona and terminates at the Creelman Substation.
- TL 626 begins in the unincorporated community of Santa Ysabel at the Santa Ysabel Substation, continues south to the unincorporated community of Descanso, and terminates at the Descanso Substation.
- TL 629 begins in the unincorporated community of Descanso at the Descanso Substation, continues east and then south to Pine Valley, again continuing east and south to the La Posta and Manzanita reservations, and terminates at the Golden Acorn Substation near the unincorporated community of Live Oak Springs.
- TL 625 begins at the Loveland Substation in the unincorporated community of Alpine, continues east to Japatul Valley, and terminates at the Descanso Substation in the unincorporated community of Descanso.
- TL 6923 begins in the unincorporated community of Cameron Corners, continues west and south to the unincorporated community of Potrero, and terminates at Barrett Substation.
- Circuit 78 (Viejas Grade Area) begins in the unincorporated community of Descanso and continues west to the Viejas Reservation along Viejas Grade, a county road.
- Circuit 157 (Barrett Lake Area) begins south of the unincorporated community of Japatul Valley, crosses the City of San Diego lands around Barrett Lake, and terminates at a private residence.

^[1] A complete mapbook and description of the entire Project Area can be submitted upon request.

- Circuit 449 (Morena Reservoir Area) begins in the unincorporated community of Lake Morena Village, services the community of Lake Morena Village, and continues north to Buckman Springs.
- Circuit 440 (Laguna Mountains Area) begins in the unincorporated community of Buckman Springs at the Buckman Springs Substation and continues along Sunrise Highway to Mount Laguna peak, terminating at the unincorporated community of Mount Laguna.
- Circuit 79 (Cuyamaca Area) begins in the unincorporated community of Cuyamaca, crosses California State Route 79, and terminates in the Cuyamaca Peak area.
- Circuit 442 (Corte Madera Area) begins in the unincorporated community of Pine Valley at the Pine Valley Substation south of the Interstate 8 freeway, continues south through parts of the Corte Madera Ranch area, and terminates at a Forest Service Fire Lookout Tower.

SECTION 2.0 – EXISTING CONDITIONS

2.1. ECOSYSTEMS

The various TLs within the Survey Area pass through several ecosystems or eco-regions, including southern mountains, southern foothills, central foothills, and the central valley regions of San Diego County. The following general descriptions pertain to those communities encountered within the Survey Area during the focused rare plant survey.

2.1.1 Forests and Woodlands

Forest and woodland habitats consist of multilayered vegetation. Forest habitats typically are characterized as having closed, dense tree canopies. Woodland habitats usually have a more open (20 percent) canopy than forest habitats (Gray and Bramlet 1992).

Mixed Oak Woodland

This type of community typically varies from pure, closed canopies of more than one oak (*Quercus* sp.) species as the dominant species, to mixtures with conifer and broadleaf trees, to open savannas. Trees in this community are approximately 10 to 25 meters in height. The herbaceous layer can be continuous. Mixed Oak Woodland can be found in canyon bottoms and steep, north-facing slopes with various soil types. This type of community recovers from fires very rapidly.

Montane Forests

Montane Forests are typically dominated by various tall evergreen coniferous species such as pine (*Pinus* spp.), cypress (*Cupressus* spp.), fir (*Abies* spp.), and Douglas fir (*Pseudotsuga macrocarpa*). This community is typically found at higher elevations on steep slopes, growing above and often integrating with Oak Woodlands, Chaparrals, and Riparian Forests or can be found growing in lower tree or shrub layers of the canopy.

Southern Riparian Forest

This type of community is dominated by tall, open, broadleaved, winter-deciduous riparian species such as willow (*Salix* spp.), cottonwood (*Populus* spp.), sycamore (*Platanus racemosa*), and alder (*Alnus* spp.) species. The understory is usually dominated by shrubby willow species or other riparian shrubs. This community is almost always found along rivers and streams or in areas with a high water table. Dominant species require moist, bare mineral soil for germination and establishment and will typically begin to establish after flood waters recede.

Oak Savanna

This type of community consists of annual grasses or perennial needlegrass (*Nassella* spp.) species with widely scattered trees that consist of less than 10 to 20 percent of the canopy cover. The dominant oak species in this community, particularly in San Diego County, is mainly coast live oak (*Quercus agrifolia*). The Oak Savanna community usually integrates with Oak Woodlands (Gray and Bramlet 1992).

2.1.2 Scrublands and Chaparral

Scrublands consist of drought-deciduous, low, soft-leaved shrubs and herbs which are often gray-green in color. They occupy gentle to steep slopes with shallow or heavy soils mostly at elevations below 3,000 feet above mean sea level (amsl). Chaparrals consist of evergreen, dark green leathery-leaved, medium to tall shrubs that are adapted to occasional fires (Gray and Bramlet 1992).

Southern Mixed Chaparral

Southern Mixed Chaparral communities are most often found at elevations below 3,000 feet. This type of community is dominated by broad, leathery-leaved, woody shrubs 1.5 to 3 meters in height, forming a dense vegetation canopy typically dominated by scrub oak (*Quercus berberidifolia*), chamise (*Adenostoma fasciculatum*), several manzanita (*Arctostaphylos* spp.) and ceanothus (*Ceanothus* spp.) species with patches of bare soil. Plants are deeply rooted with little to no understory but have an accumulation of leaf litter. Growth occurs throughout the year with the highest growth period during the spring. Growth is reduced during the late summer-fall dry season or during winter at higher elevations. Southern Mixed Chaparral is adapted to repeated fires through which many species respond by stump sprouting from an underground root burl. This community is typically found on dry, rocky, often steep slopes with little soil. This community can be found adjacent to Chamise Chaparral.

Chamise Chaparral

Chamise Chaparral communities are most often found at elevations ranging from 2,500 to 3,500 feet. This type of community is a chaparral dominated by chamise ranging from 1 to 3 meters in height. Other species common within this community contribute little to no vegetative cover. Very mature stands have little to no understory. Chamise Chaparral is fire-adapted through stump sprouting. Soils are shallow and dry, often on xeric slopes and ridges (Holland 1986).

Diegan Coastal Sage Scrub

Diegan Coastal Sage Scrub communities are most often found at elevations below 1,500 feet. This community is the most common form of Coastal Sage Scrub found in San Diego County. This community is made up of low, soft-woody subshrubs up to 1 meter in height that are most active in winter and early spring. Most species commonly found in the community are drought deciduous and include species such as California sagebrush (*Artemisia californica*), California buckwheat (*Eriogonum fasciculatum*), white sage (*Salvia apiana*), and laurel sumac (*Malosma laurina*). This community can be found on steep, xeric slopes or clay-rich soils that release stored water slowly. Diegan Coastal Sage Scrub may integrate with types of chaparral at higher elevations (Holland 1986).

Semi-Desert Chaparral

Semi-Desert Chaparral communities are most often found at elevations ranging from 2,000 to 5,000 feet. This type of community is similar to Southern Mixed Chaparral that is dominated by broad, leathery-leaved, woody shrubs 1.5 to 3 meters in height, but it forms more open vegetation canopies typically dominated by scrub oak, chamise, several manzanita species, and ceanothus species. Additional species of juniper (*Juniperus* spp.), buckwheat (*Eriogonum* spp.), and opuntia (*Opuntia* spp.) may also play an important role a semi-desert chaparral. Winters in this community are colder and summers are

hotter than Southern Mixed Chaparral. This community is also less fire-prone because of lower fuel loads.

2.1.3 Grasslands and Meadows

Grasslands consist of low, herbaceous vegetation dominated by grasses. These habitats grow in deep, well-developed soils on gentle slopes and flats. Meadow habitats are often referred to as seasonal wetlands that consist of seasonally-flooded or saturated areas dominated by annual and perennial herbs (Gray and Bramlet 1992).

Montane Wet Meadow

Montane Wet Meadows are most often found at elevations ranging from 5,000 to 9,000 feet. This type of community is dominated by a dense growth of sedges (*Carex* spp.) and other perennial herbs, usually from 0.5 to 1 meter in height. Often, taller herbs up to 2 meters in height will also be characteristic of a Montane Wet Meadow. The main growth at high elevations is during the summer months. Montane Wet Meadows are dormant in the winter. Soils in this community are saturated throughout the year (Holland 1986).

Freshwater Seep

Freshwater Seeps in San Diego County are most often found at elevations ranging from 2,000 to 4,000 feet. This type of community is composed of mostly perennial herbs, typically sedges and grasses, often forming complete vegetative cover that grows throughout the year. Soils are permanently moist. Freshwater Seeps were often found on pasturelands on private property within the Survey Area.

Native Grasslands

Native Grasslands can occur at a variety of elevations, typically less than 6,000 feet. This type of community is typically dominated by native perennial bunchgrasses such as needlegrass species. Native and introduced annual species often grow between the perennial species and can exceed the bunchgrasses in vegetative cover. Soils are fine-textured, often clay soils that become highly saturated in the winter and very dry in the summer. This community is known to integrate with Oak Woodlands (Holland 1986).

2.1.4 Other Areas

Areas that are not considered native, naturally-occurring habitats are categorized as “Other Areas” for their lack of dominant native vegetation or because they have been dramatically disturbed or altered by humans.

Non-Native Grassland

Non-Native Grasslands are most often found at elevations below 3,000 feet. This type of community consists of a dense to sparse cover of annual grasses such as oats (*Avena* sp.), bromes (*Bromus* sp.), and ryegrass (*Lolium* sp.) with flowering culms up to 3 feet in height. This community is often associated with numerous species of showy-flowered, native annual forbs, “wildflowers,” such as California poppy (*Eschscholzia californica*), lupines (*Lupinus* sp.), and goldfields (*Lasthenia* sp.) especially in years of

favorable rainfall (Holland 1986). Germination occurs with the onset of the late fall rains; growth, flowering, and seed-set occur from winter through spring. Typically plants are dead through the summer-fall dry season, persisting as seeds. Non-Native Grassland can be found on fine-textured, usually clay soils, that are moist or even waterlogged during the winter rainy season and very dry during the summer and fall. Approximately 576 acres of this community exist within the Survey Areas.

Pasturelands

This type of community is best characterized as Dryland Field Crops as described in Gray and Bramlet (1992), consisting of planted, annual grasses and forbs harvested for livestock feed. These species include barley (*Hordeum* spp.), wild oat (*Avena* spp.), and clover or alfalfa (*Trifolium* spp., *Medicago sativa*) species. Soils are similar to native grasslands, made up of fine-textured, often clay soils that can be very moist in the winter and very dry in the summer.

Urban and Developed

Urban and Developed areas consist of buildings, pavement, and highway ROWs throughout incorporated portions of the county (Gray and Bramlet 1992).

Disturbed

Disturbed, often barren, areas either lack vegetation because of clearing or grading or are dominated by ruderal pioneering herbaceous species that readily colonize disturbed ground, such as tocalote (*Centaurea melitensis*), wild oat (*Avena fatua*), black mustard (*Brassica nigra*), prickly sow-thistle (*Sonchus asper*), and wild lettuce (*Lactuca serriola*) (Gray and Bramlet 1992).

2.2. TOPOGRAPHY

Topography along the various TLs within the Project Area varies from relatively flat pasturelands to steep, rocky cliffs in higher elevation mountain areas. The majority of the areas surveyed were characterized by rolling foothills and canyons.

SECTION 3.0 – SURVEY METHODOLOGY

3.1. GENERAL SURVEY METHODOLOGY

Suitable environmental conditions exist for multiple sensitive plant species to occur within the Survey Area. Through coordination with the CNF, a list of 39 target species with a potential to occur onsite was compiled and a series of focused rare plant surveys were conducted. Focused rare plant surveys were conducted during three separate survey periods (spring, summer, and fall of 2010) within the Project ROW to capture the blooming periods for each of the 39 targeted species. The spring survey took place between April 20 and June 4, 2010. The summer survey occurred between June 7 and June 30, 2010. The fall survey took place between August 2 and September 15, 2010. Focused rare plant surveys for the targeted species were performed in accordance with survey protocols set forth by the California Department of Fish and Game (CDFG), the California Native Plant Society (CNPS 2001), and United States Fish and Wildlife Service (USFWS 2000) Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed and Candidate Plants. Those sensitive plant species with a potential for occurrence onsite that were targeted during the surveys include:

- sand verbenia (*Abronia villosa* var. *aurita*);
- San Diego thornmint (*Acanthomintha ilicifolia*);
- Dean's milkvetch (*Astragalus deanei*);
- Jacumba milkvetch (*Astragalus douglasii* var. *perstrictus*);
- San Diego milkvetch (*Astragalus oocarpus*);
- Orcutt's brodiaea (*Brodiaea orcuttii*);
- Dunn's mariposa lily (*Calochortus dunnii*);
- San Bernardino Mountains owl's clover (*Castilleja lasiorhyncha*);
- Payson's jewelflower (*Caulanthus simulans*);
- Lakeside ceanothus (*Ceanothus cyaneus*);
- Parry's spineflower (*Chorizanthe parryi* var. *parryi*);
- long-spined spineflower (*Chorizanthe polygonoides* var. *longispina*);
- delicate clarkia (*Clarkia delicata*);
- Cuyamaca cypress (*Cupressus arizonica* ssp. *arizonica*);
- Tecate cypress (*Cupressus forbesii*);
- Tecate tarplant (*Deinandra floribunda*);
- Cuyamaca larkspur (*Delphinium hesperium* ssp. *cuyamacae*);
- vanishing wild buckwheat (*Eriogonum evanidum*);
- Mission Canyon bluecup (*Githopsis diffusa* ssp. *filicaulis*);
- Ramona horkelia (*Horkelia truncata*);
- Warner Springs lessingia (*Lessingia glandulifera* var. *tomentosa*);
- lemon lily (*Lilium parryi*);
- Parish's meadowfoam (*Limnanthes gracilis* var. *parishii*);
- Orcutt's linanthus (*Linanthus orcuttii*);
- Mount Laguna aster (*Machaeranthera asteroides* var. *lagunensis*);
- felt-leaved monardella (*Monardella hypoleuca* var. *lanata*);
- Baja navarretia (*Navarretia peninsularis*);
- peninsular nolina (*Nolina cismontana*);
- Gander's butterweed (*Packera* [*Senecio*] *ganderi*);
- San Bernardino bluegrass (*Poa atropurpurea*);
- Moreno currant (*Ribes canthariforme*);

- San Miguel savory (*Satureja chandleri*);
- southern skullcap (*Scutellaria bolanderi* ssp. *austromontana*);
- Hammitt's claycress (*Sibaropsis hammittii*);
- Laguna Mountain jewelflower (*Streptanthus bernardinis*);
- southern jewelflower (*Streptanthus campestris*);
- San Bernardino aster (*Symphotrichum defoliatum*);
- Parry's tetracoccus (*Tetracoccus dioicus*); and
- velvety false-lupine (*Thermopsis californica* var. *semota*).

Species identified as being sensitive and having the potential to occur along the survey routes were reviewed by Chambers Group botanists prior to starting surveys each day. Botanists walked within the ROW approximately 30 feet (9 m) apart and visually surveyed for any signs of the targeted plant species. A complete inventory of all plant species observed within the Survey Area was prepared (Appendix B). Sensitive plant species observed during the survey were documented by counting individuals or estimating numbers for larger populations, characterizing the approximate population size, and recording a Global Positioning System (GPS) location. Representative photographs were taken (Appendix C) of each rare plant species identified within the Survey Area. Species that had the potential to occur in San Diego County and that were identified as one of the 39 targeted CNF sensitive species were given priority. Subsequent species were identified in the field by Chambers Group botanists. As a result, the information provided for these subsequent species is not a comprehensive representation of their populations along the ROW.

Surveys were conducted by four teams per day, with each team consisting of an average of four botanists. Each team was comprised of a technical lead and a team lead. The technical leads were considered expert botanists with many years of plant identification and taxonomy experience as well as specialized knowledge of San Diego flora. The team leads were responsible for maintaining consistency among teams and ensuring each team member within each group was walking appropriate distances between adjacent team members and at a pace suitable for thorough investigation. The team lead was also responsible for relaying safety procedures and reporting location information back to the Project Manager. Thirty-four Chambers Group botanists participated in the surveys, with between 8 and 18 people surveying on any given day (Table 1).

Table 1
Focused Rare Plant Survey Botanists

Surveyor Name		
Kris Alberts	Aaron Hawkins	Andrew Pignuolo *
Rebecca Alvidrez [†]	Ana Hernandez	Brant Primrose *
Chase Barnes	Jerilyn Hirshberg*	Brent Reimers
Michael Bliss	Fern Hoffman	Jim Rocks *
Gerhard Bombe	Thomas Juhasz	Jeremy Smith [†]

Nichole Cervin * [†]	John Kanlund [†]	Sean St. Marie
Heather Clayton * [†]	Kun Liu	Tracy Valentovich
Cindy Daverin *	Maya Mazon	Ivy Watson [†]
Brittany Dearing	John Messina *	Carina Weber
John Dicus	Marija Minic	Mark Wise
Melanie Dicus *	Margie Mulligan *	--
Dylan Edwards	Steven Olivera	--
Note: * Denotes technical lead. [†] Denotes team lead.		

Additional information, such as soil type, slope, aspect, elevation, and associated plant species were recorded where relevant. All plant species encountered during the survey effort were recorded on standardized data sheets and will be provided upon request.

3.2. REFERENCE SITES

Prior to the surveys, lead Chambers Group botanists in each survey team visited reference sites and herbaria to develop visual search images and familiarize themselves with key differences that separate the targeted species from other species. Lead botanists examined specimens at the San Diego State University (SDSU) herbarium and the San Diego Natural History Museum herbarium collections.

Known reference sites in San Diego County also were visited during appropriate blooming periods when each of the targeted species was identifiable and distinguishing characteristics for each species were evident. Reference site locations were attained from USFS recognized sites, San Diego County herbaria accession records, known populations identified by Chambers Group, listings on Craig H. Reiser's Rare Plants of San Diego County website (Reiser 1994), and recorded populations documented by the California Natural Diversity Database (CDFG 2010) that have been observed within the last three years. Additional reference populations were identified by experienced technical leads for the Project, and entire teams of surveyors visited the sites prior to surveying within the Survey Area, if feasible. Botanists took site photos and small samples of species for identification where appropriate. Samples from particularly difficult species to identify were collected by permitted botanists and taken to experts at the San Diego Natural History Museum herbarium for positive identification.

3.3. SURVEY LIMITATIONS

3.3.1 Access

Access to the ROW of TLs and circuits was limited due to dense vegetation, land management issues, locked gates, private property, sensitive utility customers, unimproved access roads, and routine Forest Service maintenance work. Portions of TLs and circuits were not surveyed for the presence or absence of

sensitive plant species due to these limitations. These limitations pertain to: TL 682, TL 637, TL 6926 (626), TL 629, TL 625, TL 6923, Circuit 78 (Viejas Grade Area), Circuit 79 (Cuyamaca Area), Circuit 157 (Barrett Lake Area), Circuit 440 (Laguna Mountains Area), Circuit 442 (Corte Madera Area), and Circuit 449 (Morena Reservoir Area).

Sections with Limited Access

Survey limitations occurred on segments of TLs and circuits designated as private property, separated by posted fences with distinguishable signage stating access restricted. Accesses to these specific locations were not allowed unless expressed permission was granted and documented. Additional survey limitations occurred due to steep, mountainous terrain within the Survey Area. Topography and environmental factors also limited access to survey routes. Botanists encountered creeks, gullies, lakes, streams, and washes along the survey routes. These areas imposed limited access due to erosion, road wash-outs, and unstable cliffs.

Limitations were also noted in which access roads were not surveyed due to dense chaparral vegetation exceeding 80 percent cover. Vehicle access to these sites was severely limited. Botanists surveyed along all proposed access roads within the Survey Area where feasible. Unless prior notice was given to residents, private roads were not surveyed. A detailed list of locations not included in the survey, is included below (Table 2).

Table 2
Locations with Limited Access

Mapbook Page	Tie Line/Circuit	Pole Numbers	Issues
04, 05	TL 682	118067 – 118071	No survey – private property
06	TL 682	118113 – 118104	No survey – private property: Gerald Fisher Trust
20	TL 637	416686 – 416691	No survey – private property: Dorothy L. Souttere
25	TL 637	213676 – 213667	No survey – private property: Stephen P. Rutherford
29	TL 626	372120 – 237885	No survey – private properties: Nathan Weflan, Patricia Reedy
31, 32	Circuit 79	377407 – 377412	Surveyed only with binoculars due to steepness of terrain and density of vegetation
49	TL 625	571429 – 571423	No survey – multiple private properties along Carveacre Road
53	Circuit 157	278743 – 278752	No survey – private property: Charlotte Frye
55	TL 625	571470 – 571467	No survey – private property

**Table 2
Locations with Limited Access**

Mapbook Page	Tie Line/Circuit	Pole Numbers	Issues
57	TL 6923	halfway between P108100 and P108099 – 972789; 972789 – 108097	Binocular survey (south side of ROW only) – steep, rocky boulder face
69	TL 629	40968_69 – 44158	No survey east leg of map – Tulloch property
75	TL 629	40626_27_28 – 40553	No spring survey – Tulloch property
76	Circuit 449	46611, 46608, 45480, 46607, 45479, 45478, 45477, 45476, 45759, 45760, 30299, 30300, 163409	No survey – Mt. Empire Unified School District and Tulloch property
77, 78, 79	TL 629	40552-40421, P206007-P206010, P206022, P208199, P199314	No spring survey – Tulloch property
89	Circuit 440	40334, 40335, 40336	No survey – private property: Spear family
91	TL 629	P173069 – 173081	Surveyed only south side of ROW in Forest Service land. North side of ROW has multiple private properties.
92	TL 629	173118 – 173110	Surveyed in Forest Service land only. Majority of mapbook page and poles on private property.
94	TL 629	173131 – 173139	No survey – multiple private property owners
95	TL 629	P373878 – 276631	No survey – multiple private property owners
99	Circuit 442	771310 – 271506	No survey – Forest Service maintenance work.

Weather Conditions

Plant population densities are highly dependent on weather patterns. Increased precipitation most often leads to higher densities of plants within a given population but can also expand the range of a population into areas that may normally be too dry. Precipitation in 2010 was above the annual average for San Diego County (Table 3). The increased precipitation did not halt the plant surveys or hinder access to TLs and circuits; however, the above-average precipitation for the year did prolong the survey periods.

The delayed rainy season and above-average rainfall extended the survey periods into September. Reference populations indicated the Warner Springs lessingia, the San Bernardino aster, and the Mount Laguna aster flowered later than originally predicted. The survey was divided into three rounds to maximize identification of sensitive species within the Survey Area. Chambers Group utilized known blooming periods (CNPS 2010) and adjusted those according to the blooming patterns of plants in reference populations adjacent to the Survey Area.

Table 3
Weather Conditions of San Diego County (April-September 2010)

Month	Total Precipitation	Weather Conditions & Storm Events
April	1.74 inches	Rainfall
	11.00 inches	Snowfall occurred in eastern San Diego County at elevations above 2,500 feet
May	none	No storm events. Below average temperatures.
June	none	No storm events. Below average temperatures.
August	none	No storm events. Above average temperatures.
September	none	No storm events. Average temperatures.

Abiotic Factors

Additional abiotic factors may have played a significant role in the change in population size of rare plants and the locations where they were found. Species may have been impacted by factors such as: below average seasonal temperatures, recent and or past wildfires, an increase in soil salinity due to recent road grading, and soil erosion. These factors may have also affected surveys by disturbing the seed bank and impacting the abundance and flowering periods of rare plants.

SECTION 4.0 – RESULTS AND DISCUSSION

The focused rare plant survey for the CNF sought to determine the presence or absence of 39 sensitive plant species from the Survey Area. The target list of rare plants included species that are federal- or state-listed as threatened or endangered or they are listed by the CNPS as a sensitive species with a limited distribution. Species encountered within the Survey Area were grouped into three categories: (1) targeted threatened and endangered species, (2) targeted non-threatened and endangered sensitive plant species, and (3) non-targeted sensitive plant species (CNPS-listed species). A detailed summary of focused rare plant survey species is provided in Section 3.1. Location information detailing sensitive plant species populations was collected in the field and overlaid onto aerial photographs in GIS (Appendix A). A floristic list of all species encountered within the Survey Area was compiled (Appendix B). Photographs showing a representative specimen of the plant species at the time of the survey were taken (Appendix C). As the current SDG&E alignment contains several potential routing alternatives, specific permanent and temporary impacts to rare plant species will depend on which routing alternatives are finalized.

Out of the 39 targeted species, 25 were observed and mapped within the ROW. Five of the targeted species observed are designated by the California State Endangered Species Act and CDFG as being sensitive. San Diego thornmint is federally-listed as threatened and state-listed as endangered. Parish's meadowfoam is state-listed as endangered. Gander's butterweed, Mount Laguna aster, and Dunn's mariposa lily are state-listed as rare. All five of these species were found during the survey. The remaining 34 targeted species are CNPS listed plants (List 1B, 2, 3, or 4) of which 20 taxa were observed. CNPS List 1B species are considered endangered throughout their range, CNPS List 2 species are considered endangered in California, but are more common elsewhere. Impacts to state and federal listed sensitive species and CNPS List 1B and 2 species, due to their high regional sensitivity, could potentially require mitigation.

During the surveys, 14 CNPS List 4 species (a watch list of species of limited distribution) were also observed during surveys and include some of the following: San Diego sunflower (*Bahiopsis laciniata*, formerly *Viguiera laciniata*), Payson's jewelflower, Peninsular spineflower (*Chorizanthe leptotheca*), Engelmann oak (*Quercus engelmannii*), Laguna Mountain jewelflower, and rush-like bristleweed (*Xanthisma junceum*, formerly *Machaeranthera juncea*). These CNPS List 4 species are of a lower sensitivity and do not require mitigation for the Project.

In addition, plant species known to be federal- or state-listed as threatened or endangered or identified as CNPS-listed species that were not identified by the CNF as targeted species were also identified and mapped. These additional non-targeted sensitive species total 18 different taxa and include one federal-listed as endangered species, Mexican flannelbush (*Fremontodendron mexicanum*).

The total number of individuals observed per taxon during the survey varied. In the targeted threatened and/or endangered group, more than 4,000 Parish's meadowfoam individuals were observed compared to numbers as few as 100 San Diego thornmint individuals. In the targeted non-threatened and/or endangered group, more than 15,000 long-spined spineflower plants and more than 11,000 delicate clarkia plants were mapped in several TLs and circuits, and as few as 2 Moreno currant individuals were mapped along only one circuit. Among the non-targeted sensitive species, as many as 607 desert beauty (*Linanthus bellus*) individuals were mapped compared with only one Mexican flannelbush shrub.

The numbers of individual sensitive plants observed and mapped along the ROW within the Survey Area are found in Table 4. A detailed summary of focused rare plant survey species is provided in Section 3.1.

Table 4
Total Numbers of Species Observed

Species Name*	Number of Individuals Counted												Total
	TL 682	TL 637	TL 6926 (626)	TL 629	TL 625	TL 6923	C 79	C 78	C 157	C 449	C 440	C 442	
<i>Acanthomintha ilicifolia</i> ¹	0	0	0	0	0	0	0	100	0	0	0	0	100
<i>Astragalus deanei</i> ²	0	0	0	0	0	38	0	0	16	0	0	0	54
<i>Astragalus douglasii</i> var. <i>perstrictus</i> ²	0	0	0	608	0	0	0	0	1	1	0	0	610
<i>Astragalus oocarpus</i> ²	0	83	0	0	0	0	0	0	20	0	2	0	105
<i>Bahiopsis [Viguiera] laciniata</i> ³	0	0	0	0	323	0	0	0	1	0	0	0	324
<i>Brodiaea orcuttii</i> ²	0	1,020	0	0	4	0	0	0	0	0	0	0	1,024
<i>Calandrinia breweri</i> ³	0	0	0	0	127	0	0	0	0	0	0	0	127
<i>Calochortus dunnii</i> ¹	0	0	0	0	1,323	0	115	0	0	0	0	0	1,438
<i>Caulanthus simulans</i> ²	0	0	0	538	1	0	0	0	0	0	0	0	539
<i>Chamaebatia australis</i> ³	0	0	0	0	9	0	0	0	0	0	0	0	9
<i>Chorizanthe polygonoides</i> var. <i>longispina</i> ²	13,495	0	0	13	200	0	0	0	0	290	0	1,696	15,694
<i>Clarkia delicata</i> ²	181	2,830	1,231	0	322	4,955	0	51	716	1,509	183	0	11,978
<i>Cupressus arizonica</i> ssp. <i>arizonica</i> ²	0	0	0	0	0	0	0	0	0	0	1	0	1
<i>Cupressus forbesii</i> ²	0	0	0	0	0	0	0	0	0	0	1	0	1

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Species Name*	Number of Individuals Counted												Total
	TL 682	TL 637	TL 6926 (626)	TL 629	TL 625	TL 6923	C 79	C 78	C 157	C 449	C 440	C 442	
<i>Deinandra floribunda</i> ²	0	0	1	0	1	18,053	0	0	0	0	0	0	18,055
<i>Ericameria cuneata</i> var. <i>macrocephala</i> ³	0	0	0	0	0	0	0	0	0	0	20	0	20
<i>Eriogonum evanidum</i> ²	0	0	0	0	0	0	0	0	0	0	300	1,233	1,533
<i>Fremontodendron mexicanum</i> ³	0	0	0	0	0	1	0	0	0	0	0	0	1
<i>Geraea viscida</i> ³	0	0	0	22	1	0	0	0	6	1	0	0	30
<i>Horkelia truncata</i> ²	0	0	97	0	0	0	0	0	0	0	0	0	97
<i>Hulsea californica</i> ³	0	0	0	0	54	0	0	0	10	0	87	9	160
<i>Hymenothrix wrightii</i> ³	0	0	0	0	0	0	0	0	0	0	2,037	0	2,037
<i>Lathyrus splendens</i> ³	0	0	0	0	0	104	0	0	0	0	0	0	104
<i>Limnanthes gracilis</i> var. <i>parishii</i> ¹	0	0	0	0	0	0	0	0	0	0	4,002	0	4,002
<i>Linanthus bellus</i> ³	0	0	0	607	0	0	0	0	0	0	0	0	607
<i>Linanthus orcuttii</i> ²	0	0	0	0	0	0	0	0	0	0	515	150	665
<i>Machaeranthera asteroides</i> var. <i>lagunensis</i> ¹	0	0	0	0	0	0	0	0	0	0	413	0	413
<i>Mimulus aurantiacus</i> var. <i>aridus</i> ³	0	0	0	1	0	0	0	0	0	0	0	0	1
<i>Mimulus clevelandii</i> ³	0	0	315	0	122	0	150	0	0	0	0	89	676
<i>Mimulus johnstoni</i> ³	0	0	0	80	0	0	0	0	0	0	0	0	80
<i>Mimulus palmeri</i> ³	0	0	0	0	1	0	0	0	0	0	0	348	349
<i>Monardella hypoleuca</i> ssp.	0	0	0	0	7,092	0	0	90	0	0	0	0	7,182

Results of the 2010 Rare Plant Survey
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San Diego County, California

Species Name*	Number of Individuals Counted												Total
	TL 682	TL 637	TL 6926 (626)	TL 629	TL 625	TL 6923	C 79	C 78	C 157	C 449	C 440	C 442	
<i>Ianata</i> ²													
<i>Opuntia engelmannii</i> var. <i>engelmannii</i> ³	0	0	0	0	1	0	0	0	0	0	0	0	1
<i>Packera</i> [Senecio] <i>ganderi</i> ¹	0	0	0	0	444	0	0	0	0	0	0	0	444
<i>Piperia cooperi</i> ³	0	0	0	0	5	0	0	0	0	0	0	0	5
<i>Quercus engelmannii</i> ³	0	0	0	0	0	0	0	0	0	0	1	0	1
<i>Ribes canthariforme</i> ²	0	0	0	0	0	0	0	0	0	0	0	2	2
<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i>	0	0	0	8	0	0	0	0	0	0	0	13	21
<i>Streptanthus bernardinus</i> ²	0	0	0	0	0	0	30	0	0	0	0	0	30
<i>Streptanthus campestris</i> ²	0	0	1	96	0	0	0	0	0	0	214	0	311
<i>Symphyotrichum defoliatum</i> ²	0	100	0	0	0	0	0	0	0	0	5,441	0	5,541
<i>Tetracoccus dioicus</i> ²	0	181	0	0	0	0	0	0	0	0	0	0	181
<i>Thermopsis californica</i> var. <i>semota</i> ²	0	0	1	0	0	0	0	0	0	0	1,220	0	1,221
<i>Xanthisma junceum</i> [<i>Machaeranthera juncea</i>] ³	0	0	0	0	7	0	0	0	0	0	0	0	7
Grand Total	13,676	4,214	1,646	1,973	10,037	23,151	295	241	770	1,801	14,437	3,540	75,781

*Note: Category 1 corresponds to targeted threatened or endangered species; Category 2 corresponds to targeted sensitive species; and Category 3 corresponds to non-targeted sensitive species.

4.1. DESCRIPTIONS OF LISTED SENSITIVE SPECIES (TARGETED)

4.1.1 San Diego Thornmint (FT, SE, CNPS 1B.1)

San Diego thornmint is an annual herb in the Lamiaceae family that flowers between April and June. This species favors clay soils and openings of chaparral, coastal scrub, valley and foothill grassland, and vernal pools. San Diego thornmint can be found at elevations between 30 and 3,150 feet (9 to 960 m) amsl. Approximately one-third of the historical occurrences in California have been extirpated; it is threatened by urbanization, road construction, vehicles, grazing, trampling, erosion, and non-native plants (CNPS 2010). A total of 100 individuals were observed within Circuit 78 of the Survey Area.

4.1.2 Dunn's Mariposa Lily (Rare, CNPS List 1B.2)

Dunn's mariposa lily is a bulbiferous herb in the Liliaceae family that flowers between April and June. This species often grows in the gabbro, metavolcanic, and rocky soils of closed-cone coniferous forests, chaparral, and valley and foothill grasslands. Dunn's mariposa lily can be found at elevations between 1,250 and 6,000 feet (381 to 1,828 m) amsl. This species is threatened by development, vehicles, and competition from non-native plants (CNPS 2010). A total of 1,438 individuals were observed within the Survey Area: 115 individuals were observed within Circuit 79, and 1,323 individuals were observed within TL 625.

4.1.3 Cuyamaca Larkspur (Rare, CNPS List 1B.2)

Cuyamaca larkspur is a perennial herb in the Ranunculaceae family that flowers between May and July. This species often grows in mesic soils of lower montane coniferous forest, meadows and seeps, and vernal pools. Cuyamaca larkspur can be found at high elevations between 4,000 and 5,350 feet (1,219 to 1,630 m) amsl. This species is threatened by development, grazing, and recreational activities (CNPS 2010). This species was not observed within the Survey Area.

4.1.4 Parish's Meadowfoam (SE, CNPS List 1B.2)

Parish's meadowfoam is an annual herb in the Limnanthaceae family that flowers between April and June. This species often grows in mesic soils in lower montane coniferous forest, meadows and seeps, and vernal pools. Parish's meadowfoam can be found at elevations between 2,000 and 6,600 feet (609 to 2,011 m) amsl. This species is threatened by altered hydrology, grazing, and recreational development (CNPS 2010). A total of 4,002 individuals were observed within Circuit 440 of the Survey Area.

4.1.5 Mount Laguna Aster (Rare, CNPS List 2.1)

Mount Laguna aster is a perennial herb in the Asteraceae family that flowers between July and August. This species often grows in cismontane woodland and lower montane coniferous forest. Mount Laguna aster can be found at elevations between 2,600 and 7,900 feet (792 to 2,507 m) amsl. This species is known in California from fewer than five occurrences and is threatened by development, grazing, and recreational activities, with a potential threat from road maintenance activities (CNPS 2010). A total of 413 individuals were observed within Circuit 440 of the Survey Area.

4.1.6 Gander's Butterweed (Rare, CNPS List 1B.2)

Gander's butterweed is a perennial herb in the Asteraceae family that flowers between April and June. This species often grows in gabbro soils of chaparral especially after a recent burn. Gander's butterweed can be found at elevations between 1,300 and 4,000 feet (396 to 1,219 m) amsl. This species is known from fewer than 20 occurrences and is threatened by recreational activities, vehicles and trampling (CNPS, 2010). A total of 444 individuals were observed within TL 625 of the Survey Area.

4.1.7 San Bernardino Blue Grass (FE, CNPS 1B.2)

San Bernardino blue grass is a perennial, rhizomatous herb in the Poaceae family that flowers between May and July and in rare instances as early as April and into August. This species often grows in mesic habitats such as meadows and seeps. San Bernardino blue grass can be found at elevations between 1,360 and 2,455 feet (414 to 748 m) amsl. Approximately 20 occurrences of San Bernardino blue grass has been observed in the San Bernardino Mountains and the Laguna Mountains (CNPS 2010). This species is threatened by development, grazing, hydrological alterations, mining, recreational activities, and vehicles, and potentially by hybridization with non-native Kentucky bluegrass (*Poa pratensis*) (CNPS 2010). San Bernardino blue grass was not observed within the Survey Area.

4.2. DESCRIPTIONS OF NON-LISTED SENSITIVE SPECIES (TARGETED)

4.2.1 Chaparral Sand-Verbena (CNPS List 1B.1)

Chaparral sand-verbena is an annual herb in the Nyctaginaceae family that flowers between January and September. This species often grows in sandy soils of chaparral, coastal scrub, and desert dunes. Chaparral sand verbena can be found at elevations between 260 and 2,000 feet (79 to 609 m) amsl. This species is threatened by non-native plants, the alteration of fire regimes, road maintenance activities, flood control activities, vehicles, and development (CNPS 2010). Chaparral sand-verbena was not observed within the Survey Area.

4.2.2 Dean's Milk-Vetch (CNPS List 1B.1)

Dean's milk-vetch is a perennial herb in the Fabaceae family that flowers between February and May. This species often grows in chaparral, cismontane woodland, coastal scrub, and riparian forest. Dean's milk-vetch can be found at elevations between 250 and 2,200 feet (76 to 670 m) amsl. This species is known from fewer than 15 occurrences and from fewer than 10 locations in Diegan sage scrub, chaparral, and riparian communities, particularly southern oak woodlands (CNPS 2010). This species is seriously threatened by development, vegetation/fuel management activities, foot traffic, non-native plants, and road maintenance (CNPS 2010). A total of 54 individuals were observed within Circuit 157 and TL 6923 of the Survey Area.

4.2.3 Jacumba Milk-Vetch (CNPS List 1B.2)

Jacumba milk-vetch is a perennial herb in the Fabaceae family that flowers between April and June. This species often grows on rocky soils of chaparral, cismontane woodland, pinyon and juniper woodland, riparian scrub, and valley and foothill grassland. Jacumba milk-vetch can be found at elevations between 3,000 and 4,500 feet (914 to 1,371 m) amsl. This species is threatened by development and competition

from non-native plants (CNPS 2010). A total of 610 individuals were observed within Circuit 157, Circuit 449, and TL 629 of the Survey Area.

4.2.4 San Diego Milk-Vetch (CNPS List 1B.2)

San Diego milk-vetch is a perennial herb in the Fabaceae family that flowers between May and August. This species often grows in the openings among chaparral and cismontane woodland. San Diego milk-vetch can be found at elevations between 1,000 and 5,000 feet (304 to 1,524 m) amsl. This species is threatened by development, road maintenance, and recreation (CNPS 2010). A total of 105 individuals were observed within Circuit 157, Circuit 440, and TL 637 of the Survey Area.

4.2.5 Orcutt's Brodiaea (CNPS List 1B.1)

Orcutt's brodiaea is a perennial, bulbiferous herb in the Themidaceae family that flowers between May and July. This species often grows in the openings of chaparral, cismontane woodland, coastal scrub, playas, and valley and foothill grassland. This species favors a variety of soil types including; clay, mesic, and sometimes serpentine soils. Orcutt's brodiaea can be found at elevations between 100 and 5,550 feet (30 to 1,676 m) amsl. This species is seriously threatened by residential development, agriculture, foot traffic, grazing, illegal dumping, non-native plants, and vehicles. It is potentially threatened by road construction. It can hybridize with the state- and federal-listed endangered thread-leaved brodiaea (*Brodiaea filifolia*) (CNPS 2010). A total of 1,024 individuals were observed within TL 625 and TL 637 of the Survey Area.

4.2.6 San Bernardino Mountains Owl's-Clover (CNPS List 1B.2)

San Bernardino Mountains owl's-clover is a hemiparasitic annual herb in the Orobanchaceae family that flowers between May and August. This species often grows in mesic soils in chaparral, meadows and seeps, pebble plain, riparian woodland, and upper montane coniferous forest. San Bernardino Mountains owl's clover can be found at higher elevations between 4,300 and 7,800 feet (1,310 to 2,377 m) amsl. This species is threatened by development, mining, water diversions, grazing, fire suppression, vehicles, recreational activities, and competition from non-native plants (CNPS 2010). San Bernardino Mountains owl's clover was not observed on the Survey Area. This species has not been recorded in San Diego County (Rebman and Simpson 2006) and was not expected to occur within the Survey Area.

4.2.7 Payson's Jewelflower (CNPS List 4.2)

Payson's jewelflower is an annual herb in the Brassicaceae family that flowers between March and May and in some cases as early as February and as late as June. This species often grows in sandy and granitic soils in chaparral, coastal scrub. Payson's jewelflower can be found at elevations between 295 and 7,200 feet (89 to 2,194 m) amsl. Some populations of Payson's jewelflower are threatened by proposed reservoir construction. Many populations occur on public lands. This species is also threatened by urbanization, invasive species, grazing, and road construction (CNPS 2010). A total of 539 individuals were observed within TL 625 and TL 629 of the Survey Area.

4.2.8 Lakeside Ceanothus (CNPS List 1B.2)

Lakeside ceanothus is an evergreen shrub in the Rhamnaceae family that flowers between April and June. This species often grows in sandy or rocky openings of closed-cone coniferous forests and

chaparral habitats. Lakeside ceanothus can be found at elevations between 770 and 2,550 feet (235 to 777 m) amsl. This species is threatened by development (CNPS 2010). Lakeside ceanothus was not observed within the Survey Area.

4.2.9 Parry's Spineflower (CNPS List 1B.1)

Parry's spineflower is an annual herb in the Polygonaceae family that flowers between April and June. This species often grows in sandy or rocky openings of chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland. Parry's spineflower can be found at elevations between 900 and 4,000 feet (274 to 1,219 m) amsl. This species is threatened by altered flood regime, development, mining, non-native plants, and vehicles (CNPS 2010). Parry's spineflower was not observed on the Survey Area. This species has not been recorded in San Diego County (Rebman and Simpson 2006) and was not expected to occur on the Survey Area. Parry's spineflower was not observed within the Survey Area.

4.2.10 Long-Spined Spineflower (CNPS List 1B.2)

Long-spined spineflower is an annual herb in the Polygonaceae family that flowers between April and July. This species often grows in clay soils of chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, and vernal pools. Long-spined spineflower can be found at elevations between 100 and 5,020 feet (30 to 1,530 m) amsl. Much of its habitat has been lost to development. This species is threatened by competition from non-native grasses, recreational activities, vehicles and grazing (CNPS 2010). A total of 15,694 individuals were observed within Circuit 442, Circuit 449, TL 625, TL 629, and TL 682 of the Survey Area.

4.2.11 Delicate Clarkia (CNPS List 1B.2)

Delicate clarkia is an annual herb in the Onagraceae family that flowers between April and June. This species often grows in gabbroic soils in chaparral and cismontane woodland. Delicate clarkia can be found at elevations between 770 and 3,280 feet (234 to 999 m) amsl. This species is threatened by development, competition from non-native plants, frequent wildfires, road improvement and/or maintenance, and vehicles (CNPS 2010). A total of 11,978 individuals were observed in all of the Circuits and TLs except for Circuit 442, Circuit 79, and TL 629 of the Survey Area.

4.2.12 Cuyamaca Cypress (CNPS List 1B.1)

Cuyamaca cypress is a perennial evergreen tree in the Cupressaceae family. This species often grows in gabbroic soils in closed-cone coniferous forest, chaparral, cismontane woodland, and riparian forest. Cuyamaca cypress can be found at higher elevations between 3,400 and 5,600 feet (1,036 to 1,706 m) amsl. This species is threatened by alteration of fire regimes (specifically, frequent wildfires) and mining (CNPS 2010). Only one individual was observed within Circuit 440 of the Survey Area. This tree had mostly likely been planted for ornamental landscaping purposes.

4.2.13 Tecate Cypress (CNPS List 1B.1)

Tecate cypress is a perennial evergreen tree in the Cupressaceae family. This species often grows in clay, gabbroic, or metavolcanic soils in closed-cone coniferous forest and chaparral. Tecate cypress can be found at elevations between 840 and 4,900 feet (256 to 1,493 m) amsl. This species is threatened by alteration of fire regimes and mining and by development in both Orange and Riverside counties. In San

Diego County, Tecate cypress is protected in part at Otay Mountain (CNPS 2010). Only one individual was observed within Circuit 440 within the Survey Area. This tree had mostly likely been planted for ornamental landscaping purposes within the Al Bahr Mount Laguna Shrine Camp.

4.2.14 Tecate Tarplant (CNPS 1B.2)

Tecate tarplant is an annual herb in the Asteraceae family that flowers between August and October. This species often grows in chaparral and coastal scrub. Tecate tarplant can be found at elevations between 230 and 4,000 feet (70 to 1,219 m) amsl. This species is threatened by development and grazing (CNPS 2010). A total of 18,055 individuals were observed within TL 625, TL 626, and TL 6923 of the Survey Area.

4.2.15 Vanishing Wild Buckwheat (CNPS 1B.1)

Vanishing wild buckwheat is an annual herb in the Polygonaceae family that flowers between July and October. This species often grows in sandy soils of chaparral, cismontane woodland, lower montane coniferous forest, and pinyon and juniper woodland. Vanishing wild buckwheat can be found at higher elevations between 3,600 and 7,300 feet (1,097 to 2,225 m) amsl. This species is threatened by alteration of fire regimes, competition with non-native plants, development, foot traffic, grazing, recreational activities, and vehicles (CNPS 2010). A total of 1,533 individuals were observed within Circuit 440 and Circuit 449 of the Survey Area.

4.2.16 Mission Canyon Bluecup (CNPS 3.1)

Mission Canyon bluecup is an annual herb in the Campanulaceae family that flowers between April and June. This species often grows on mesic soils in chaparral and disturbed areas. Mission Canyon bluecup can be found at elevations between 1,476 and 2,300 feet (449 to 701 m) amsl. This species is known in California from fewer than five occurrences and is threatened by development (CNPS 2010). Mission Canyon bluecup was not observed within the Survey Area.

4.2.17 Ramona Horkelia (CNPS 1B.3)

Ramona horkelia is a perennial herb in the Rosaceae family that flowers between May and June. This species often grows in clay and gabbroic soils in chaparral and cismontane woodland. Ramona horkelia can be found at elevations between 1,312 and 4,265 feet (399 to 1,299 m) amsl. This species is threatened by recreational activities, chaparral management, mining, road maintenance, and grazing (CNPS 2010). A total of 97 individuals were observed within TL 626 of the Survey Area.

4.2.18 Warner Springs Lessingia (CNPS 1B.3)

Warner Springs lessingia is an annual herb in the Asteraceae family that flowers between August and October. This species often grows in sandy soils of chaparral. Warner Springs lessingia can be found at elevations between 2,854 and 3,937 feet (869 to 1,199 m) amsl. This species is threatened by grazing and road construction (CNPS 2010). Warner Springs lessingia was not observed within the Survey Area.

4.2.19 Lemon Lily (CNPS 1B.2)

Lemon lily is a perennial, bulbiferous herb in the Liliaceae family that flowers between July and August. This species often grows in mesic habitats of lower montane coniferous forest, meadows and seeps, riparian forest, and upper montane coniferous forest. Lemon lily can be found at higher elevations between 4,000 and 9,000 feet (1,219 to 2,743 m) amsl. This species was nearly extirpated from San Diego County, where it was known from only a few plants at the Palomar Mountains. This species is threatened by horticultural collecting, water diversion, recreational activities, and grazing (CNPS 2010). Lemon lily was not observed within the Survey Area.

4.2.20 Orcutt's Linanthus (CNPS 1B.3)

Orcutt's linanthus is an annual herb in the Polemoniaceae family that flowers between May and June. This species often grows growing in the openings of chaparral, lower montane coniferous forest, and pinyon and juniper woodland. Orcutt's linanthus can be found at higher elevations between 3,000 and 7,037 feet (914 to 2,144 m) amsl. This species is threatened by foot traffic and recreational activities (CNPS 2010). A total of 665 individuals were observed within Circuit 440 and Circuit 442 of the Survey Area.

4.2.21 Felt-Leaved Monardella (CNPS 1B.2)

Felt-leaved monardella is a perennial, rhizomatous herb in the Lamiaceae family that flowers between June and August. This species often grows in chaparral and cismontane woodland. Felt-leaved monardella can be found at elevations between 580 and 5,170 feet (176 to 1,575 m) amsl. This species is threatened by vehicles (CNPS 2010). A total of 7,182 individuals were observed within Circuit 78 and TL 625 of the Survey Area.

4.2.22 Baja Navarretia (CNPS 1B.2)

Baja navarretia is an annual herb in the Polemoniaceae family that flowers between June and August. This species often grows in mesic soils in the openings of chaparral, lower montane coniferous forest, meadows and seeps, and pinyon and juniper woodland. Baja navarretia can be found at higher elevations between 4,920 and 7,550 feet (1,499 to 2,301 m) amsl (CNPS 2010). Baja navarretia was not observed within the Survey Area.

4.2.23 Peninsular Nolina (CNPS 1B.2)

Peninsular nolina is a perennial, evergreen shrub in the Nolinaceae family that flowers between May and July. This species often grows in sandstone or gabbroic soils in chaparral and coastal scrub. Peninsular nolina can be found at elevations between 460 and 4,183 feet (140 to 1,274 m) amsl. This species is threatened by development, agriculture, road construction, and recreational activities (CNPS 2010). Peninsular nolina was not observed within the Survey Area.

4.2.24 Moreno Currant (CNPS 1B.3)

Moreno currant is a perennial, deciduous shrub in the Grossulariaceae family that flowers between February and April. This species often grows in chaparral and riparian scrub. Moreno currant can be found at elevations between 1,113 and 3,937 feet (339 to 1,199 m) amsl. This species is threatened by

recreational activities and vehicles (CNPS 2010). Two individuals were observed along Circuit 442 within the Survey Area.

4.2.25 San Miguel Savory (CNPS 1B.2)

San Miguel savory is a perennial shrub in the Lamiaceae family that flowers between March and July. This species often grows in rocky gabbroic or metavolcanic soils in chaparral, cismontane woodland, coastal scrub, riparian woodland, and valley and foothill grassland. San Miguel savory can be found at elevations between 400 and 3,530 feet (121 to 1,075 m) amsl. This species is threatened by residential development, foot traffic, agriculture, recreational activities, and horticultural collecting (CNPS 2010). San Miguel savory was not observed within the Survey Area.

4.2.26 Southern Skullcap (CNPS 1B.2)

Southern skullcap is a perennial rhizomatous herb in the Lamiaceae family that flowers between June and August. This species often grows in mesic soils in chaparral, cismontane woodland, and lower montane coniferous forest. Southern skullcap can be found at elevations between 1,400 and 6,560 feet (426 to 1,999 m) amsl. This species is threatened by grazing and recreational activities (CNPS 2010). A total of 21 individuals were observed within Circuit 442 and TL 625 of the Survey Area.

4.2.27 Hammitt's Claycress (CNPS 1B.2)

Hammitt's claycress is an annual herb in the Brassicaceae family that flowers between March and April. This species often grows in clay soils in the openings of chaparral and valley and foothill grassland. Hammitt's claycress can be found at elevations between 2,360 and 3,500 feet (719 to 1,066 m) amsl. This species is threatened by competition from non-native plants, vehicles, illegal dumping, grazing, and trampling (CNPS 2010). Hammitt's claycress was not observed within the Survey Area during the survey period.

4.2.28 Laguna Mountain Jewelflower (CNPS 4.3)

Laguna Mountain jewelflower is a perennial herb in the Brassicaceae family that flowers between May and August. This species often grows in chaparral and lower montane coniferous forest. Laguna Mountain jewelflower can be found at elevations between 2,198 and 8,200 feet (669 to 2,499 m) amsl. This species is threatened by recreational activities, vehicles, and road maintenance (CNPS 2010). A total of 30 individuals were observed within Circuit 79 of the Survey Area.

4.2.29 Southern Jewelflower (CNPS 1B.3)

Southern jewelflower is a perennial herb in the Brassicaceae family that flowers between May and July and, on occasion, as early as April. This species often grows in rocky soils of chaparral, lower montane coniferous forest, and pinyon and juniper woodland. Southern jewelflower can be found at elevations between 2,950 and 7,550 feet (899 to 2,301 m) amsl (CNPS 2010). A total of 311 individuals were observed within Circuit 440, TL 626, and TL 629 of the Survey Area.

4.2.30 San Bernardino Aster (CNPS 1B.2)

San Bernardino aster is a perennial, rhizomatous herb in the Asteraceae family that flowers between July and November. This species often grows in a variety of habitats, typically in vernal mesic soils in cismontane woodland, coastal scrub, lower montane coniferous forest, meadows and seeps, marshes and swamps, valley and foothill grassland, and near ditches, streams, and springs. This plant can be found at elevations between 6 and 6,700 feet (0 to 2,042 m) amsl (CNPS 2010). A total of 5,541 individuals were observed within Circuit 440 and TL 637 of the Survey Area.

4.2.31 Parry's Tetracoccus (CNPS 1B.2)

Parry's tetracoccus is a perennial deciduous shrub in the Euphorbiaceae family that flowers between April and May. This species often grows in chaparral and coastal scrub. Parry's tetracoccus can be found at elevations between 540 and 3,280 feet (164 to 999 m) amsl. This species is threatened by agriculture and development (CNPS 2010). A total of 181 individuals were observed within TL 637 of the Survey Area.

4.2.32 Velvety False-Lupine (CNPS 1B.2)

Velvety false-lupine is a perennial rhizomatous herb in the Fabaceae family that flowers between March and June. This species often grows in cismontane woodland, lower montane coniferous forest, meadows and seeps, and valley and foothill grassland. Velvety false-lupine can be found at elevations between 3,280 and 6,140 feet (999 to 1,871 m) amsl. This species is threatened by grazing, trampling, recreation, and competition from non-native plants (CNPS 2010). A total of 1,221 individuals were observed within Circuit 440, and TL 626 of the Survey Area.

4.3. DESCRIPTIONS OF OTHER SENSITIVE SPECIES (NON-TARGETED)

Eighteen plant species listed as sensitive by the CNPS that were not selected as targeted species were also recorded and mapped if observed within the Survey Area. However, not all teams had developed a search image for these non-targeted plants at the beginning of the survey and data presented for these species is inconsistent among teams. Data presented for these species should therefore be treated as ancillary. Exclusion of one of these non-targeted species from a given TL does not constitute the confirmed absence of that species from the entire TL.

4.3.1 San Diego Sunflower (*Bahiopsis [Viguiera] laciniata*) (CNPS 4.2)

San Diego sunflower is a perennial shrub in the Asteraceae family that flowers between February and June and, on rare occasions, as late as August. This species often grows in chaparral and coastal scrub. San Diego sunflower can be found at elevations between 200 and 2,460 feet (60 to 749 m) amsl. This species is threatened by development (CNPS 2010). A total of 324 individuals were mapped within Circuit 157 and TL 625 of the Survey Area; however, due to the abundance of this species elsewhere within the Survey Area, Chambers Group botanists stopped mapping every location. The number presented here represents an underestimate of the size of San Diego sunflower.

4.3.2 Brewer's Calandrinia (*Calandrinia breweri*) (CNPS 4.2)

Brewer's calandrinia is an annual herb in the Portulacaceae family that flowers between March and June. This species often grows in sandy or loamy soils in disturbed or burned areas in chaparral and coastal scrub. This plant can be found at elevations between 32 and 4,000 feet (9 to 1,219 m) amsl (CNPS 2010). A total of 127 individuals were observed within TL 625 of the Survey Area.

4.3.3 Southern Mountain Misery (*Chamaebatia australis*) (CNPS 4.2)

Southern mountain misery is a perennial, evergreen shrub in the Rosaceae family that flowers between November and May. This species often grows in gabbroic or metavolcanic soils in chaparral. Southern mountain misery can be found at elevations between 1,000 and 2,300 feet (304 to 701 m) amsl. This species is threatened by agriculture (CNPS 2010). A total of nine individuals were observed within TL 625 of the Survey Area.

4.3.4 Laguna Mountain Goldenbush (*Ericameria cuneata* var. *macrocephala*) (CNPS List 1B.3)

Laguna Mountain goldenbush is a shrub in the Asteraceae family that flowers in the fall and winter between September and December. This species often grows in granitic soils in chaparral. Laguna Mountain goldenbush is found at higher elevations between 3,920 and 6,700 feet (1,194 to 2,042 m) amsl. This species is known from only a few locations in the Laguna Mountains (CNPS 2010). A total of 20 individuals were observed within the Survey Area on Circuit 440 on Monument Peak.

4.3.5 Mexican Flannelbush (FE, Rare, CNPS List 1B.1)

Mexican flannelbush is a perennial, evergreen shrub in the Malvaceae family that flowers between March and June. This species often grows in gabbroic, metavolcanic, or serpentinite soils in closed-cone coniferous forest, chaparral, and cismontane woodland habitats. Mexican flannelbush can be found at elevations between 100 and 8,038 feet (30 to 2,449 m) amsl. Threats to this species include urbanization (CNPS 2010). One individual of this species was found within TL 6923 of the Survey Area.

4.3.6 Sticky Geraea (CNPS List 2.3)

Sticky geraea is a perennial herb in the Asteraceae family that flowers between May and June. This species often grows in disturbed areas in chaparral. Sticky geraea can be found at elevations between 1,476 and 4,921 feet (449 to 1,499 m) amsl. This species is threatened by development (CNPS 2010). A total of 30 individuals were observed within Circuit 157, Circuit 449, TL 625, and TL 629 of the Survey Area.

4.3.7 San Diego Hulsea (*Hulsea californica*) (CNPS 1B.3)

San Diego hulsea is a perennial herb in the Asteraceae family that flowers between April and June. This species often grows in openings and burned areas of chaparral, lower montane coniferous forest, and upper montane coniferous forest. San Diego hulsea can be found at elevations between 3,000 and 9,563 feet (914 to 2,914 m) amsl. This species is threatened by competition from non-native plants, fire suppression, recreational activities, and vehicles (CNPS 2010). A total of 160 individuals were observed within Circuit 157, Circuit 440, Circuit 442, and TL 625 of the Survey Area.

4.3.8 Wright's Hymenothrix (*Hymenothrix wrightii*) (CNPS 4.1)

Wright's hymenothrix is a perennial herb in the Asteraceae family that flowers between June and October. This species often grows in cismontane woodlands, lower montane coniferous forests, and valley and foothill grasslands at high elevations between 4,600 and 5,100 feet (1,400 to 1,550 m) amsl (CNPS 2010). A total of 2,037 individuals were observed within Circuit 440 of the Survey Area.

4.3.9 Pride-of-California (*Lathyrus splendens*) (CNPS 4.3)

Pride-of-California is a perennial herb in the Fabaceae family that flowers between March and June. This species often grows in chaparral. Pride-of-California can be found at elevations between 660 and 5,000 feet (201 to 1,524 m) amsl (CNPS 2010). A total of 104 individuals were observed within TL 6923 of the Survey Area.

4.3.10 Desert Beauty (CNPS 2.3)

Desert beauty is an annual herb in the Polemoniaceae family that flowers between April and May. This species often grows in sandy soils in chaparral. Desert beauty can be found at elevations between 3,280 and 4,593 feet (999 to 1,399 m) amsl. This species is threatened by vehicles (CNPS 2010). A total of 607 individuals were observed within TL 629 of the Survey Area.

4.3.11 Low Bush Monkeyflower (*Mimulus aurantiacus* var. *aridus*) (CNPS 4.3)

Low bush monkeyflower is a perennial evergreen shrub in the Phrymaceae family that flowers between April and July. This species often grows in rocky areas in chaparral. Low bush monkeyflower can be found at elevations between 2,460 and 3,600 feet (749 to 1,097 m) amsl (CNPS 2010). Only one individual was observed within TL 629 of the Survey Area.

4.3.12 Cleveland's Bush Monkeyflower (*Mimulus clevelandii*) (CNPS 4.2)

Cleveland's bush monkeyflower is a perennial, rhizomatous herb in the Phrymaceae family that flowers between April and July. This species often grows in gabbroic soils in openings and disturbed areas, rocky areas in chaparral, cismontane woodland, and lower montane coniferous forest. Cleveland's bush monkeyflower can be found at elevations between 2,673 and 6,561 feet (814 to 1,999 m) amsl (CNPS 2010). This species is threatened by recreational activities. A total of 676 individuals were observed within Circuit 442, Circuit 79, TL 625, and TL 626 of the Survey Area.

4.3.13 Palomar Monkeyflower (*Mimulus palmeri*) (CNPS 4.3)

Palomar monkeyflower is an annual herb in the Phrymaceae family that flowers between April and June. This species often grows in sandy or gravelly soils in chaparral and lower montane coniferous forest. This plant can be found at higher elevations between 4,000 and 6,000 feet (1,219 to 1,828 m) amsl. This species is threatened by recreational activities and development (CNPS 2010). A total of 429 individuals were observed within Circuit 442, TL 629 and TL 625 of the Survey Area.

4.3.14 Cooper's Rein Orchid (*Piperia cooperi*) (CNPS 4.2)

Cooper's rein orchid is a perennial herb in the Orchidaceae family that flowers between March and June. This species often grows in chaparral, cismontane woodland, and valley and foothill grassland. Cooper's

rein orchid can be found at elevations between 49 and 5,200 feet (14 to 1,584 m) amsl. This species is threatened by urbanization and horticultural collecting (CNPS 2010). A total of five individuals were observed within TL 625 of the Survey Area.

4.3.15 Engelmann Oak (CNPS 4.2)

Engelmann oak is a perennial, deciduous tree in the Fagaceae family that flowers between March and June. This species is limited to sites above the dry, coastal plain and below cold montane areas forming woodlands and savannas. Engelmann oaks occur at elevations below 4,200 feet (1,280 m) amsl. This species prefers soft, deep, loamy clay; however, they have been known to occur in shallow, rocky soils that have summer moisture (Pavlik et al. 2006). This species is threatened by development and grazing. Only one individual was observed within Circuit 440 of the Survey Area.

4.3.16 Rush-Like Bristleweed (*Xanthisma [Machaeranthera] junceum*) (CNPS 4.3)

Rush-like bristleweed is a perennial herb in the Asteraceae family that flowers between June and January. This species often grows in chaparral and coastal scrub. Rush-like bristleweed can be found at elevations between 790 and 3,280 feet (240 to 999 m) amsl (CNPS 2010). A total of seven individuals were observed within TL 625 of the Survey Area.

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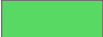
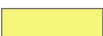
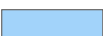
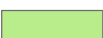
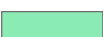


APPENDIX A – SENSITIVE SPECIES LOCATION MAPS

CNF Rare Plant Survey – 2010

Updated December 2011

Legend

	Acanthomintha ilicifolia		Linanthus bellus		Astragalus deanei
	Astragalus deanei		Linanthus orcuttii		Astragalus douglasii var. perstrictus
	Astragalus douglasii var. perstrictus		Machaeranthera asteroides var. lagunensis		Astragalus oocarpus
	Astragalus oocarpus		Machaeranthera juncea		Brodiaea orcuttii
	Brodiaea orcuttii		Mimulus aridus		Calandrinia breweri
	Calandrinia breweri		Mimulus clevelandii		Calochortus dunnii
	Calochortus dunnii		Mimulus johnstonii		Chamaebatia australis
	Caulanthus simulans		Mimulus palmeri		Chorizanthe polygonoides var. longispina
	Chamaebatia australis		Monardella hypoleuca ssp. lanata		Clarkia delicata
	Chorizanthe polygonoides var. longispina		Opuntia engelmannii var. engelmannii		Deinandra floribunda
	Clarkia delicata		Packera ganderi		Ericameria cuneata
	Cupressus arizonica ssp. arizonica		Piperia cooperi		Eriogonum evanidum
	Cupressus forbesii		Quercus engelmannii		Geraea viscida
	Deinandra floribunda		Ribes canthariforme		Hulsea californica
	Ericameria cuneata		Scutellaria bolanderi ssp. austromontana		Hymenothrix wrightii
	Eriogonum evanidum		Streptanthus bernardinus		Limnanthes gracilis var. parishii
	Fremontodendron mexicanum		Streptanthus campestris		Linanthus orcuttii
	Geraea viscida		Symphyotrichum defoliatum		Machaeranthera asteroides var. lagunensis
	Horkelia truncata		Tetracoccus dioicus		Machaeranthera juncea
	Hulsea californica		Thermopsis californica var. semota		Mimulus clevelandii
	Hymenothrix wrightii		Viguiera laciniata		Mimulus palmeri
	Limnanthes gracilis var. parishii				Monardella hypoleuca ssp. lanata
					Packera ganderi
					Symphyotrichum defoliatum
					Tetracoccus dioicus
					Thermopsis californica var. semota

CNF Rare Plant Survey – 2010

PAGE: MS-001

Updated December 2011

LEGEND

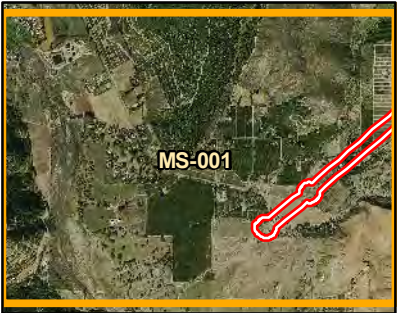
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

PAGE: MS-002

Updated December 2011

LEGEND

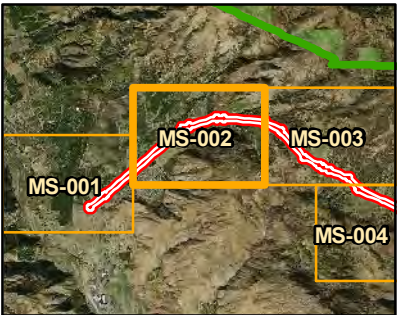
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Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

PAGE: MS-003

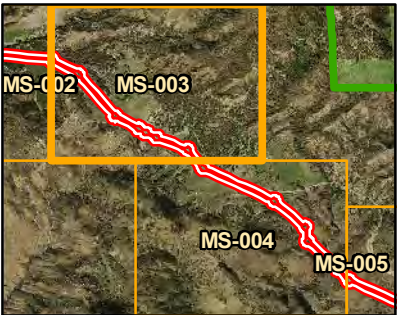
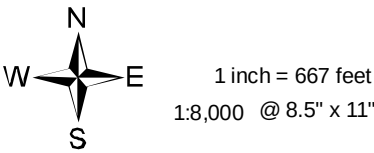
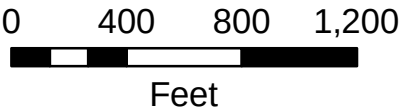
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



CNF Rare Plant Survey – 2010

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Updated December 2011

LEGEND

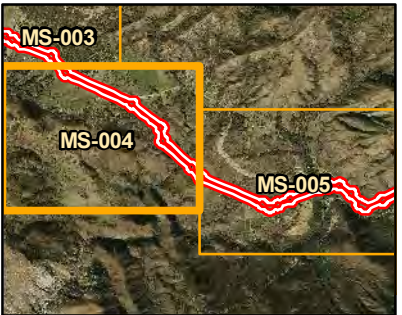
 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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LEGEND

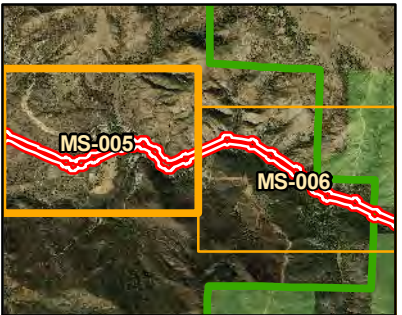
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

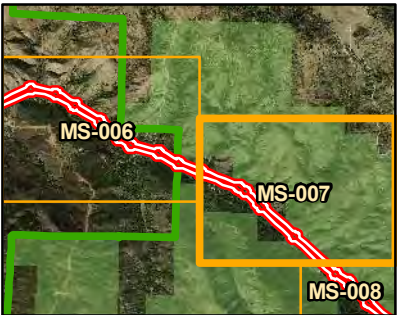
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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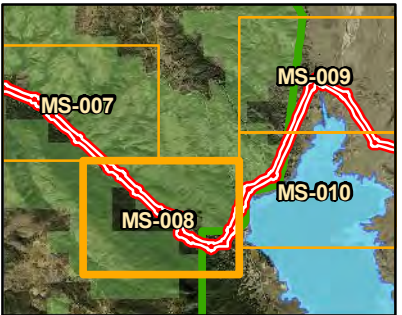
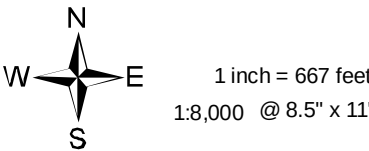
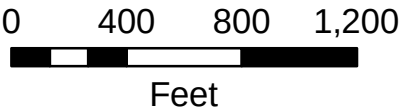
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LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



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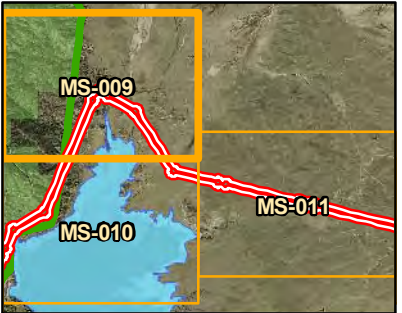
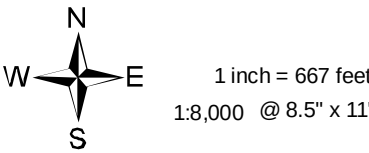
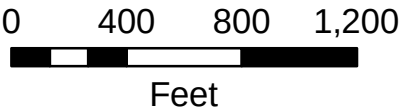
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



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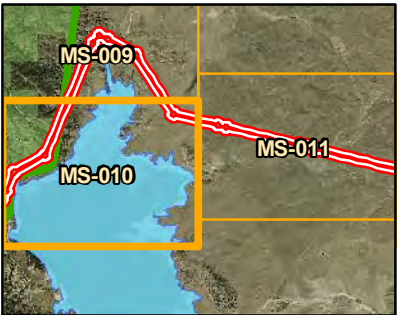
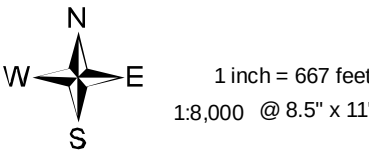
Updated December 2011

LEGEND

 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



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LEGEND

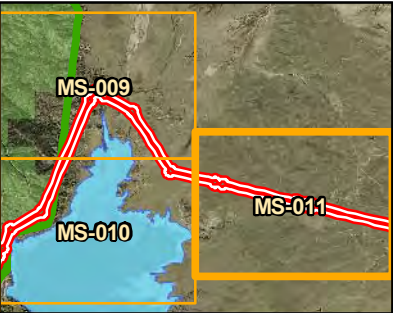
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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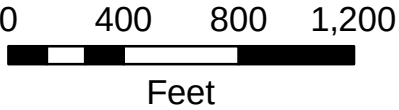
Updated December 2011

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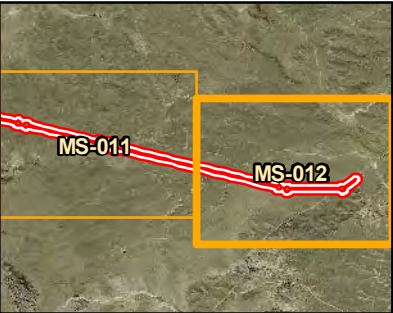
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW

0 400 800 1,200
Feet



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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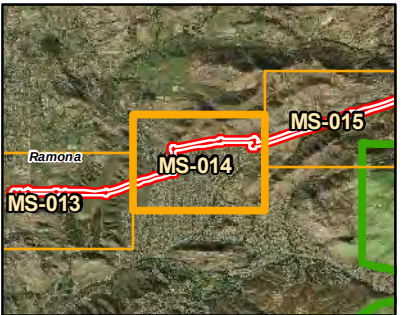
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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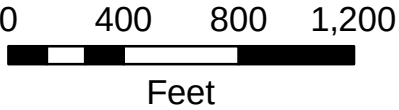
Updated December 2011

LEGEND

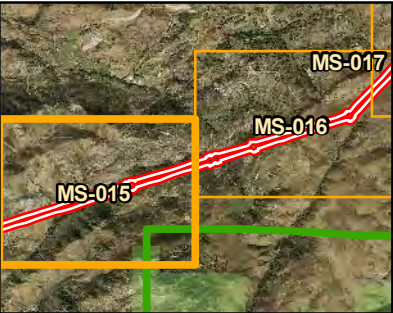
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

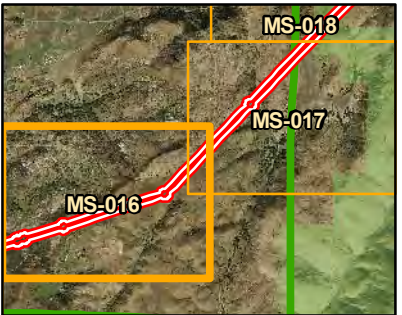
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

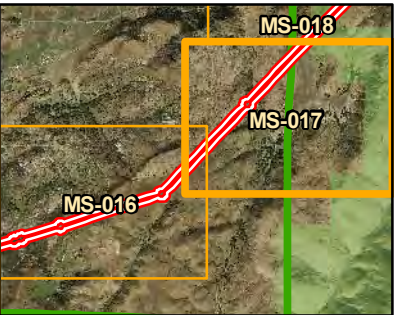
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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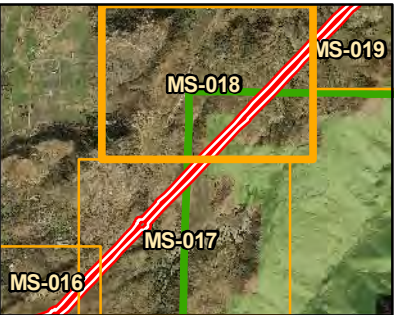
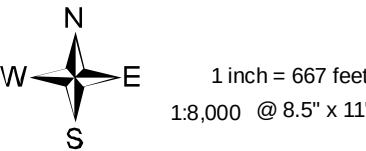
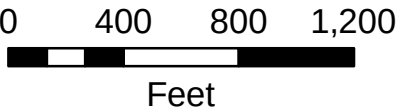
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



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LEGEND

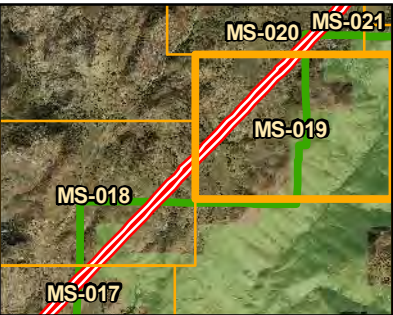
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

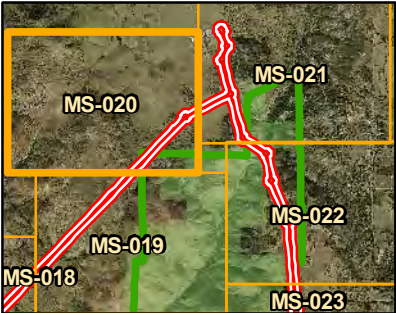
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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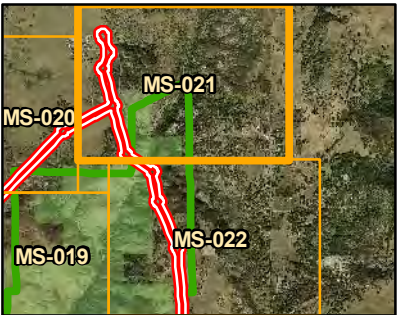
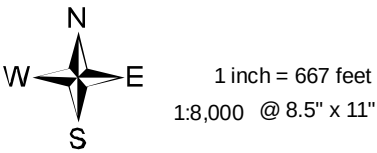
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



CNF Rare Plant Survey – 2010

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LEGEND

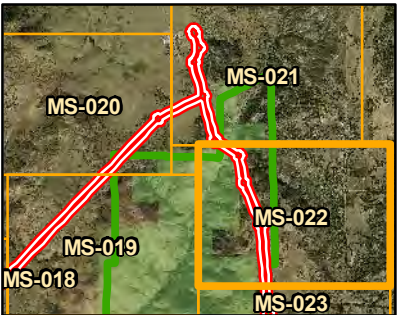
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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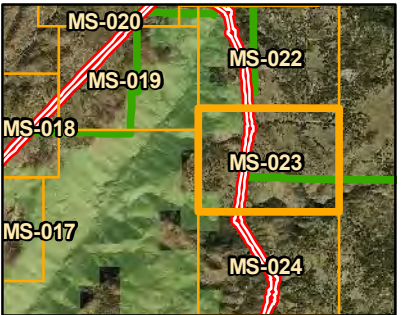
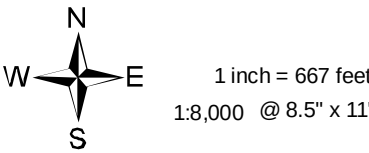
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



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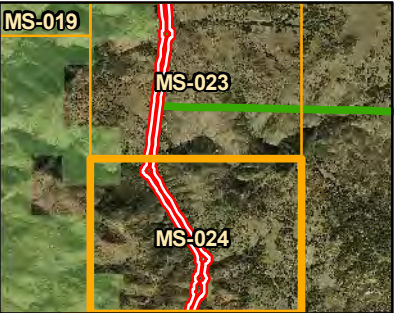
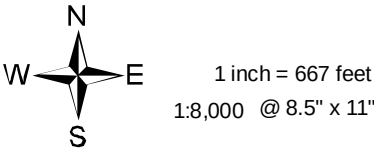
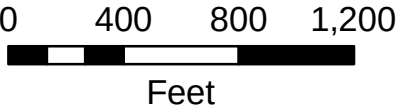
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



CNF Rare Plant Survey – 2010

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LEGEND

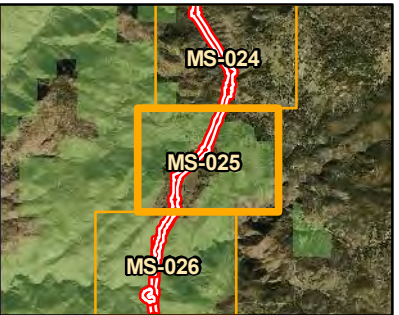
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

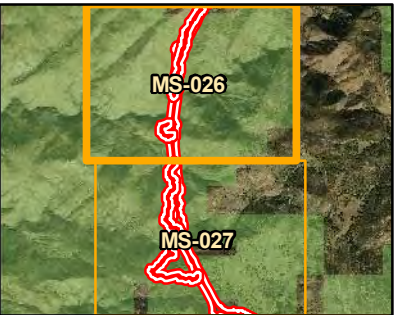
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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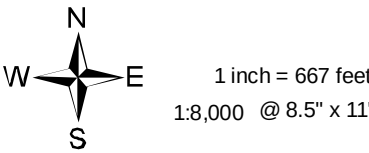
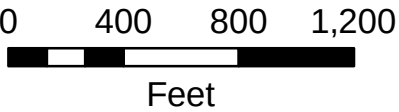
Updated December 2011

LEGEND

Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



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LEGEND

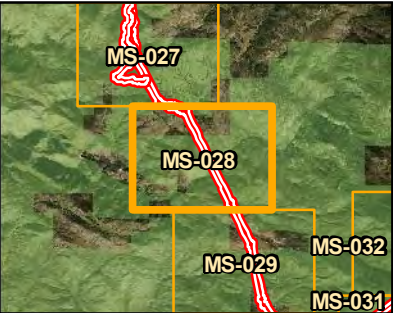
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

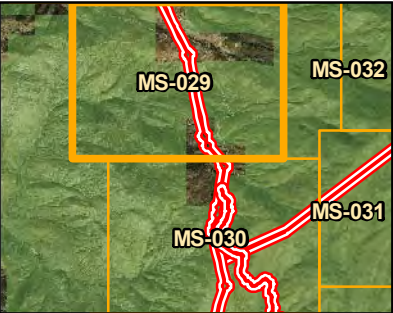
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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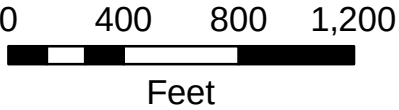
Updated December 2011

LEGEND

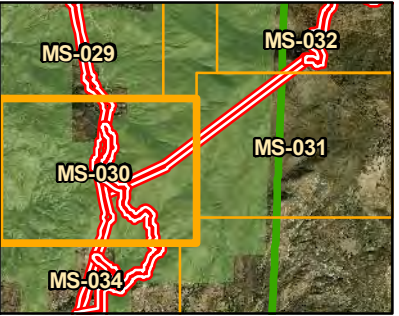
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

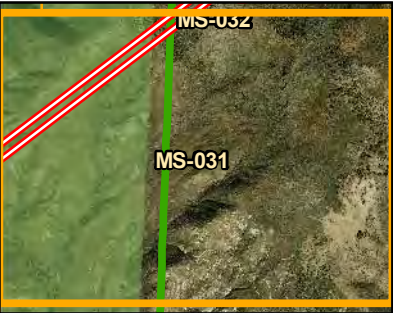
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

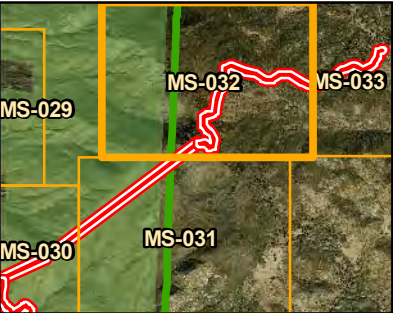
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

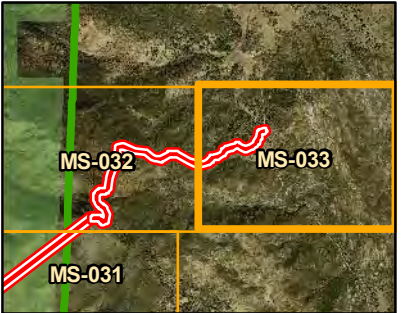
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

 Cleveland National Forest
 Congressional District Boundary

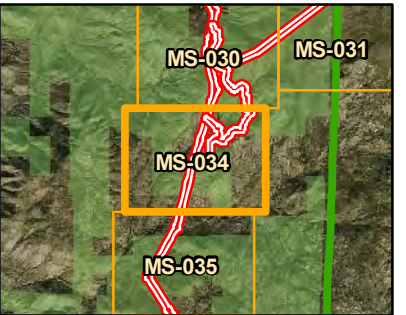
Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW

0 400 800 1,200
Feet



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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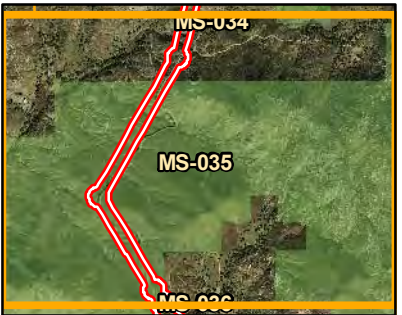
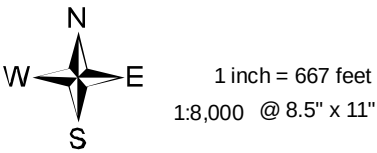
Updated December 2011

LEGEND

 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



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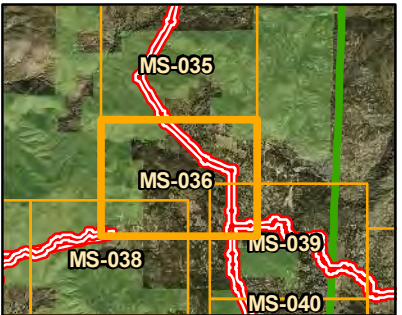
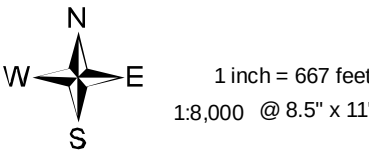
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LEGEND

 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



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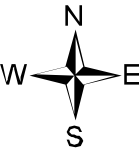
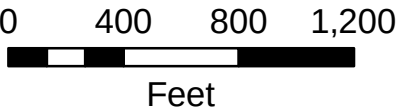
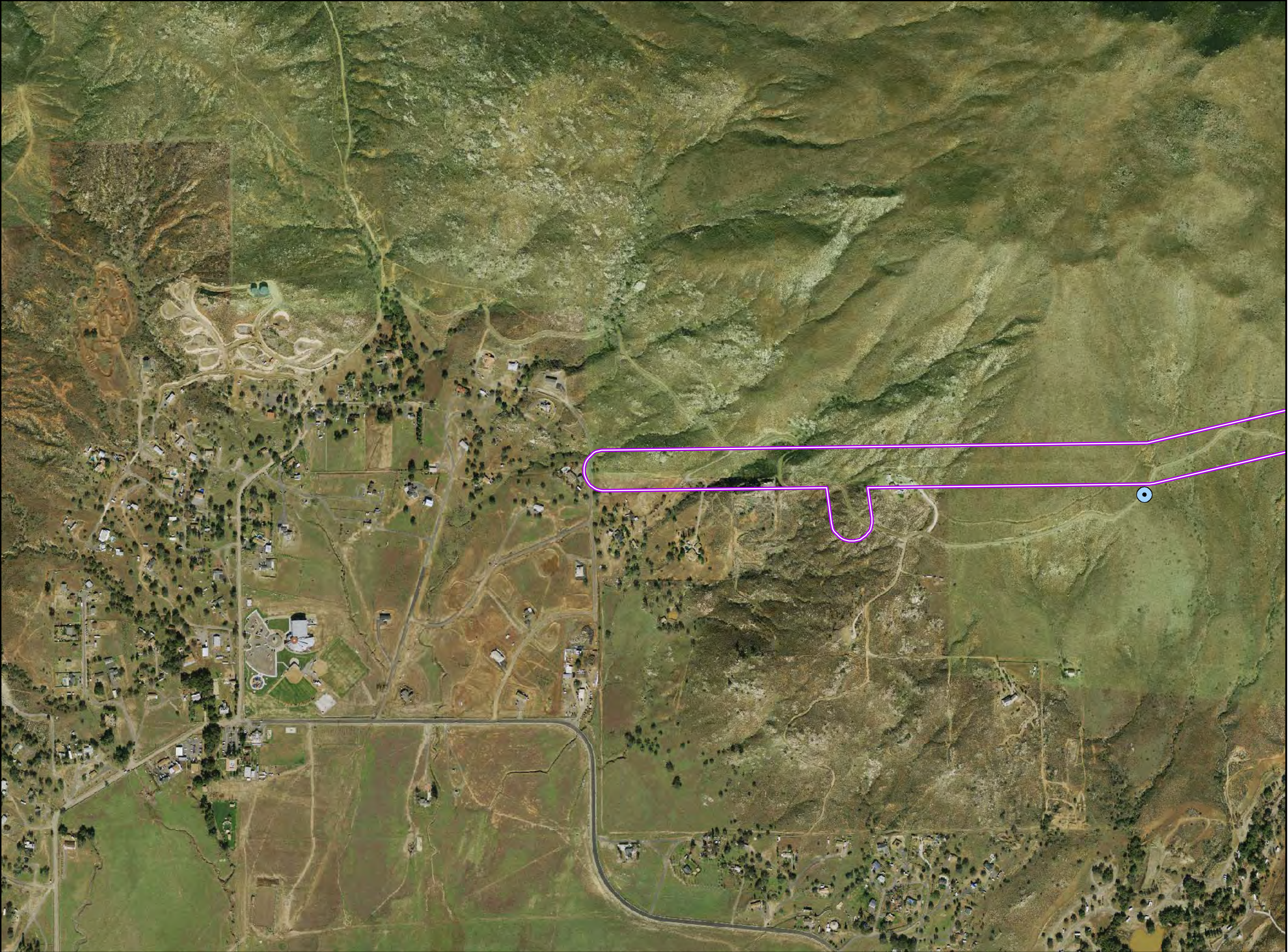
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

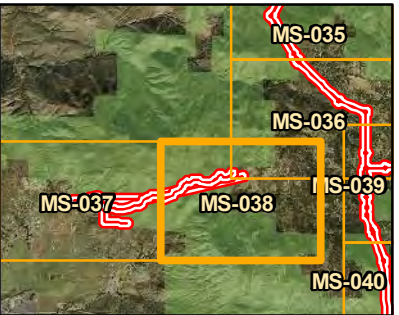
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
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-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

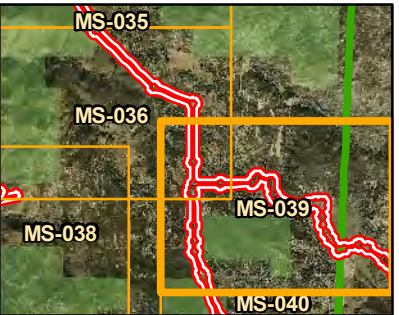
 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW

0 400 800 1,200
Feet

N
W E
S
1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

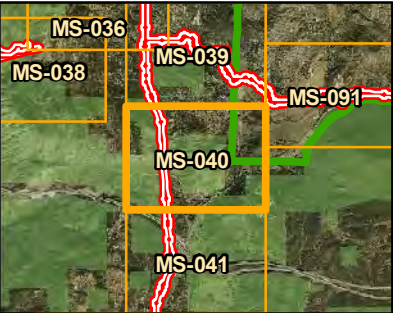
Cleveland National Forest
Congressional District Boundary

Survey Buffers

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- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
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- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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Updated December 2011

LEGEND

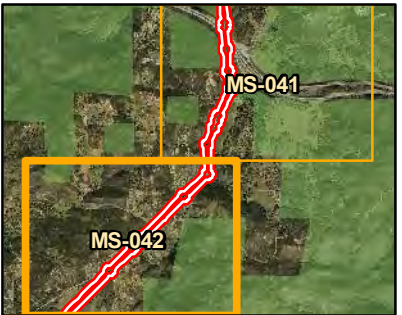
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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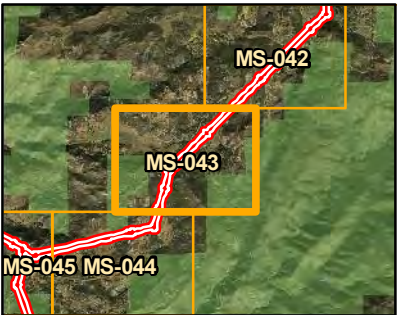
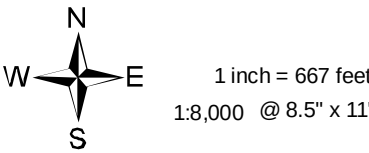
Updated December 2011

LEGEND

 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



CNF Rare Plant Survey – 2010

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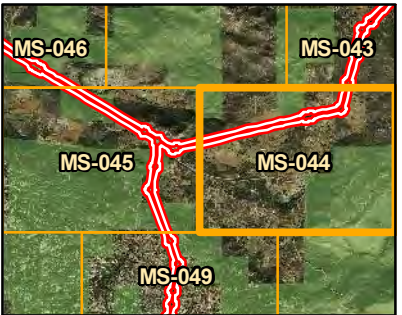
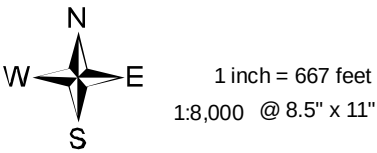
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



CNF Rare Plant Survey – 2010

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Updated December 2011

LEGEND

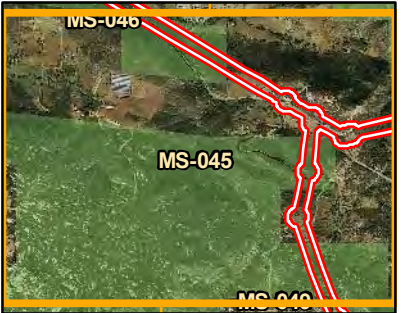
 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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LEGEND

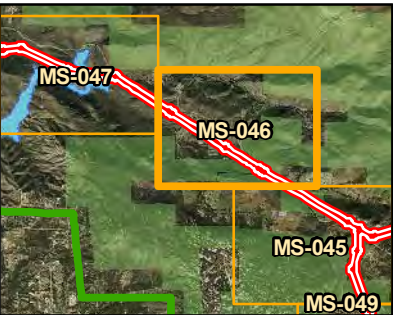
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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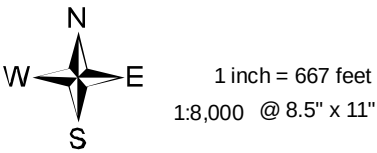
Updated December 2011

LEGEND

 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



CNF Rare Plant Survey – 2010

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Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

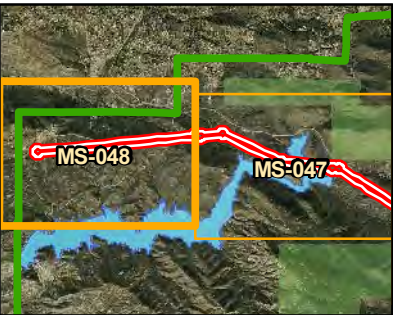
Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW

0 400 800 1,200
Feet



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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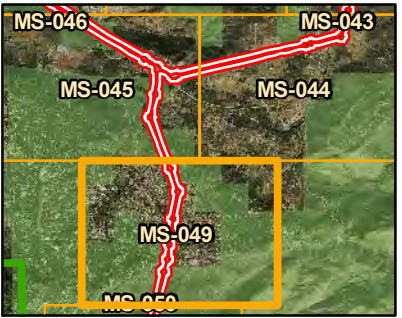
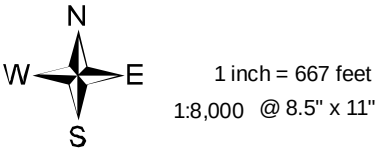
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



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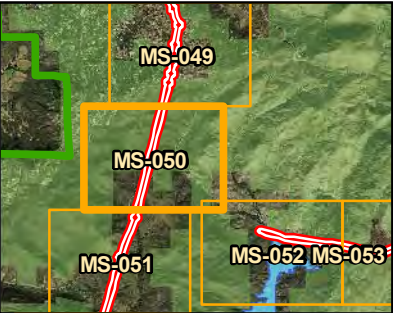
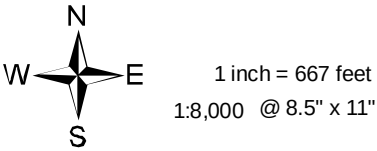
Updated December 2011

LEGEND

Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



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LEGEND

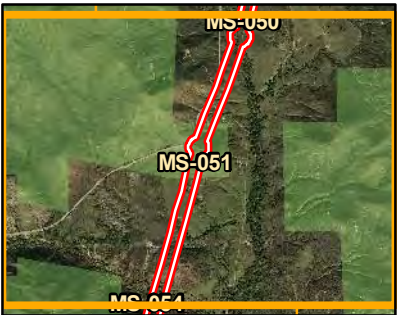
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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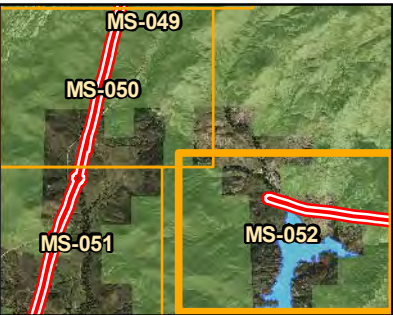
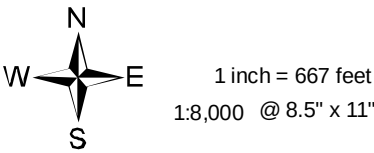
Updated December 2011

LEGEND

Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



CNF Rare Plant Survey – 2010

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LEGEND

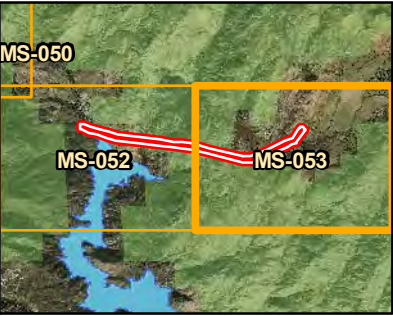
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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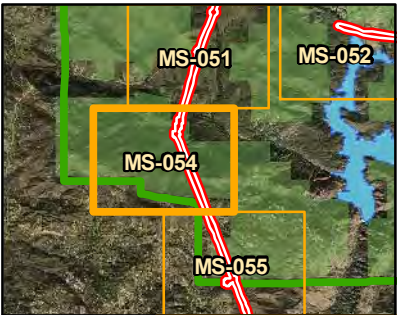
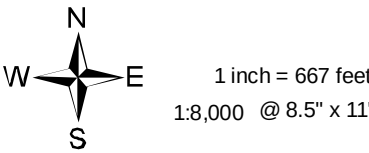
Updated December 2011

LEGEND

 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



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LEGEND

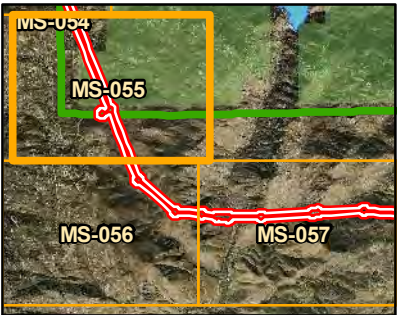
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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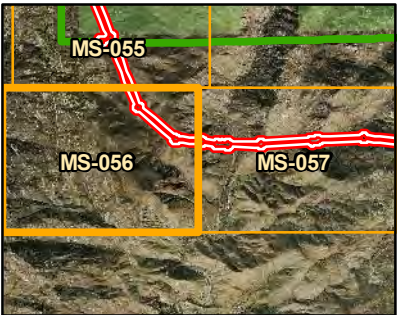
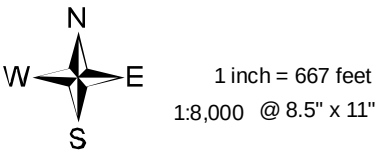
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



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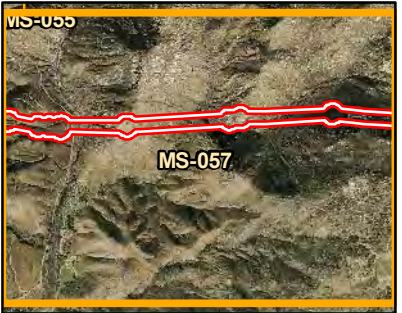
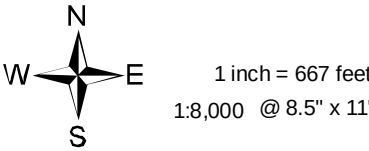
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



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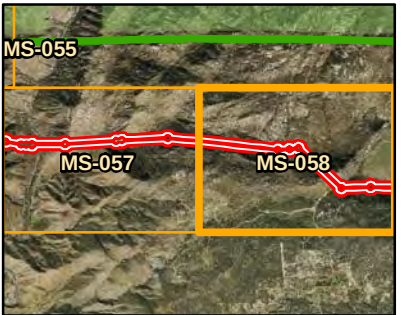
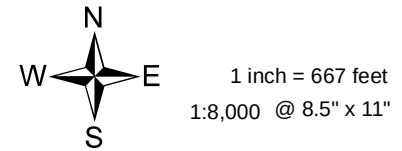
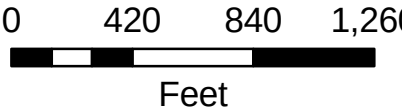
Updated December 2011

LEGEND

- Cleveland National Forest
- Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



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LEGEND

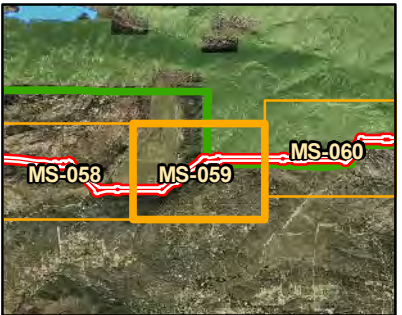
 Cleveland National Forest
Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW

0 400 800 1,200
Feet

N
W E
S
1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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LEGEND

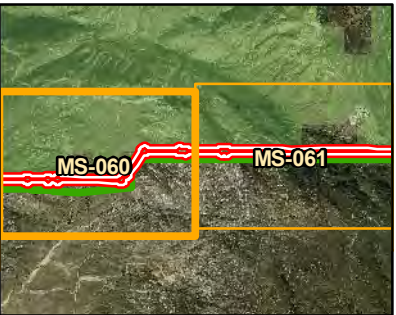
Cleveland National Forest
Congressional District Boundary

Survey Buffers

Distribution ROW
Distribution Underground ROW
Distribution Alternative ROW
Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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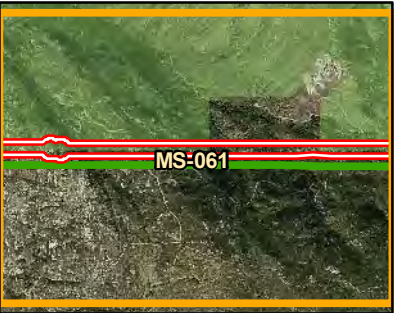
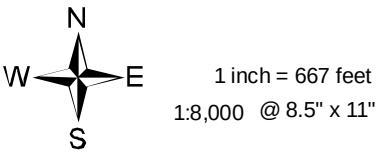
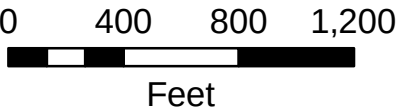
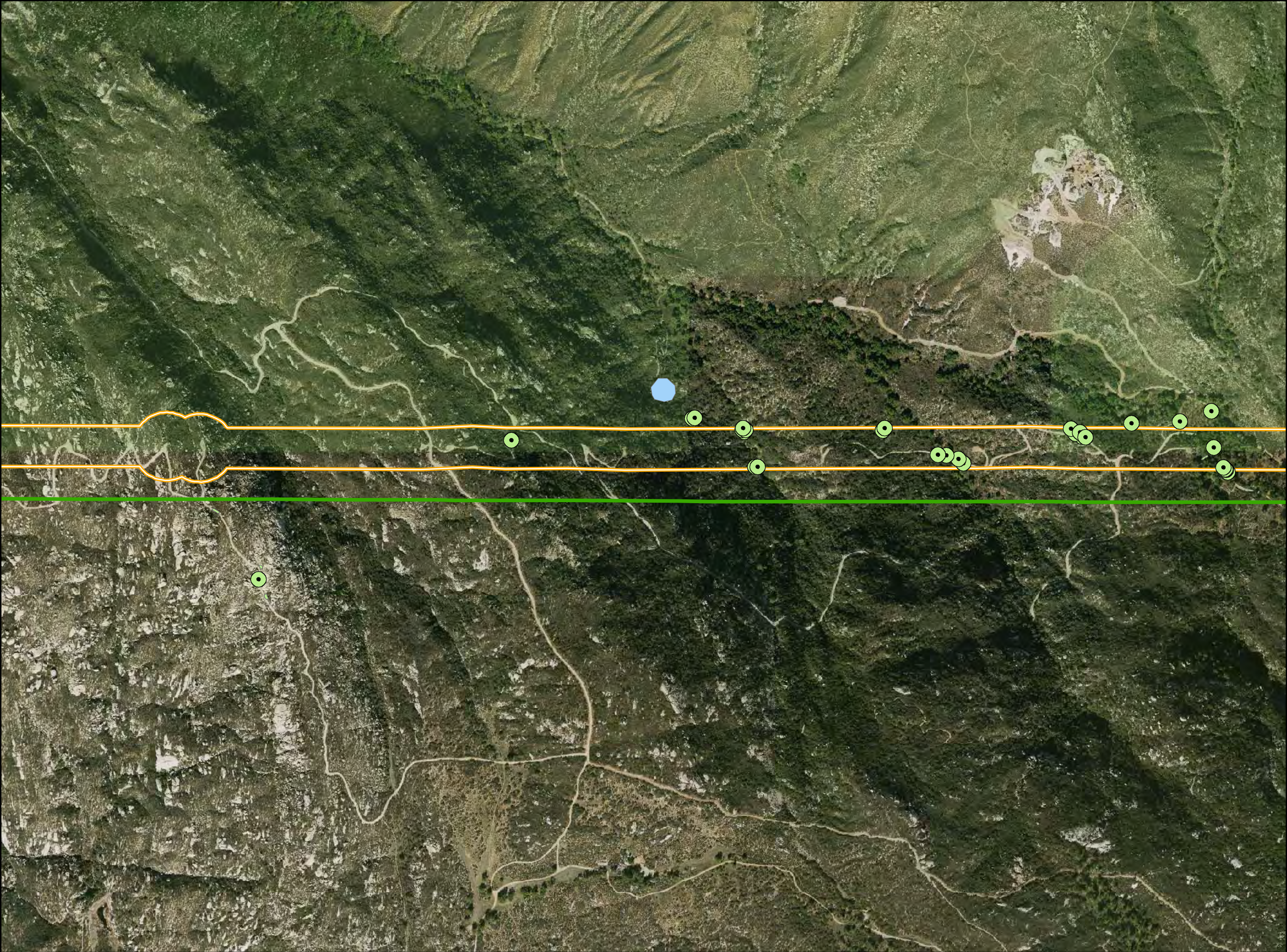
Updated December 2011

LEGEND

 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



CNF Rare Plant Survey – 2010

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LEGEND

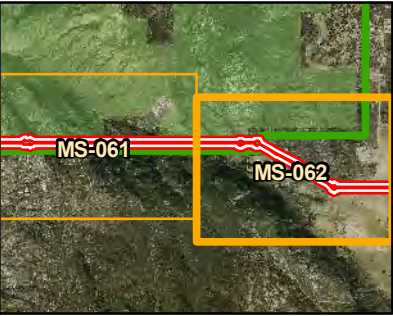
- Cleveland National Forest Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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LEGEND

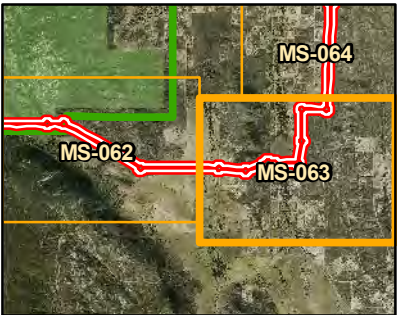
 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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LEGEND

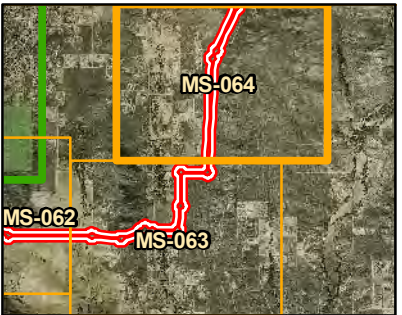
 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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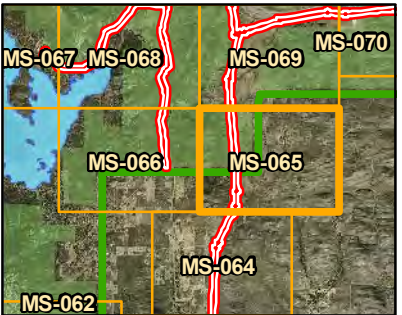
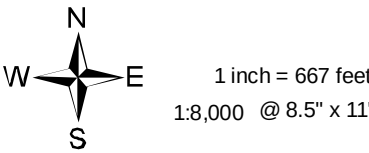
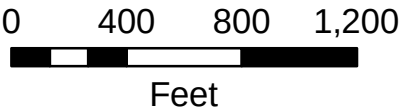
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



CNF Rare Plant Survey – 2010

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LEGEND

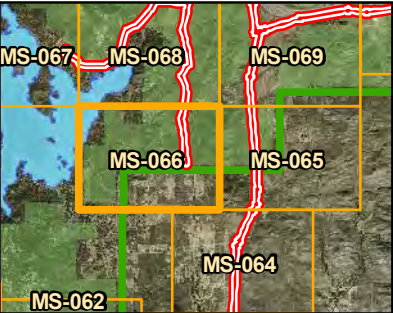
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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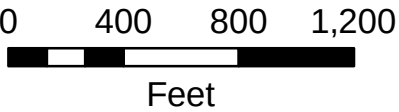
Updated December 2011

LEGEND

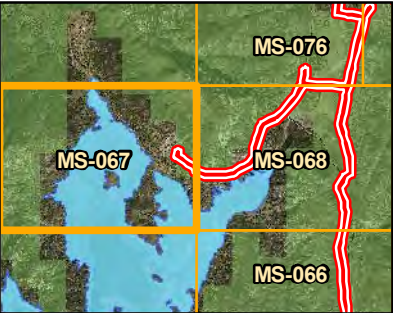
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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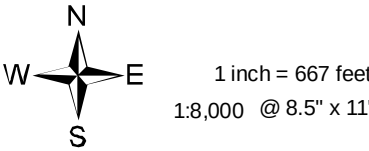
Updated December 2011

LEGEND

Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



CNF Rare Plant Survey – 2010

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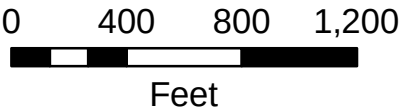
Updated December 2011

LEGEND

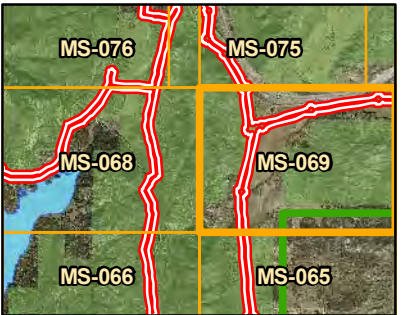
 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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LEGEND

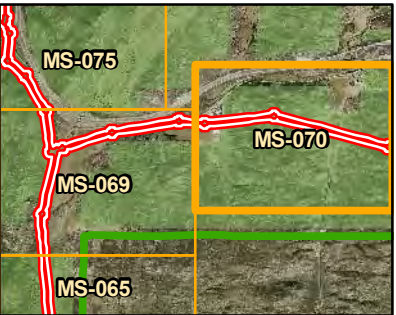
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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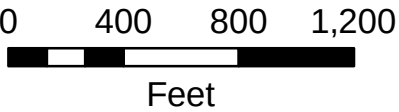
Updated December 2011

LEGEND

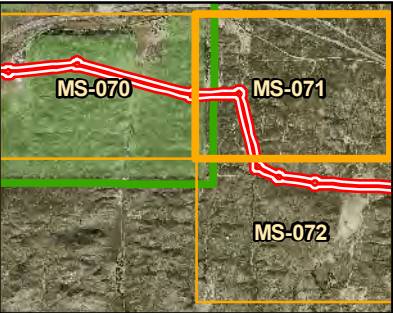
- Cleveland National Forest
- Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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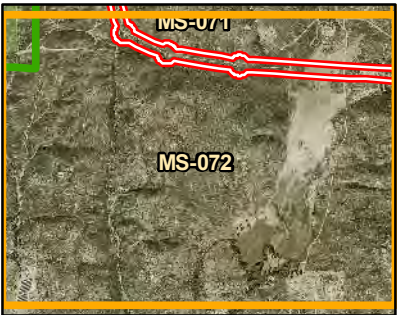
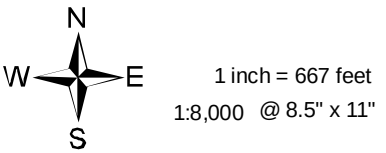
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



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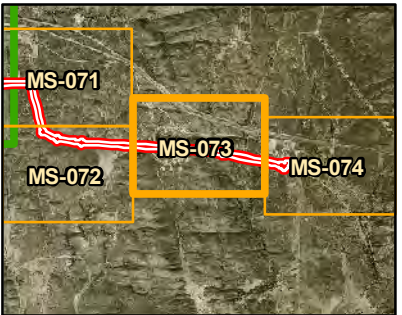
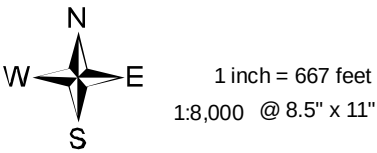
Updated December 2011

LEGEND

 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



CNF Rare Plant Survey – 2010

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LEGEND

Cleveland National Forest
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Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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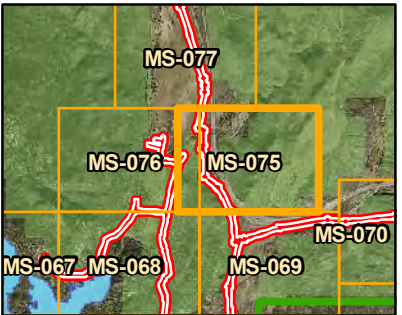
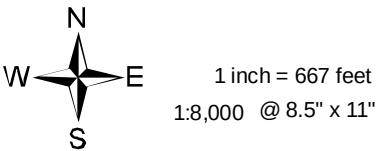
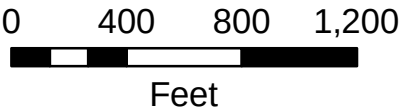
Updated December 2011

LEGEND

 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



CNF Rare Plant Survey – 2010

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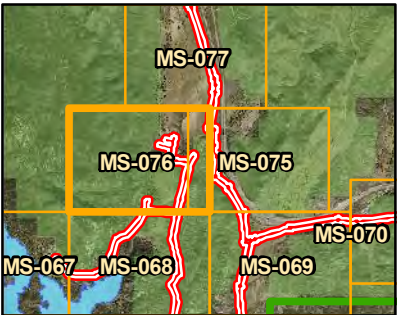
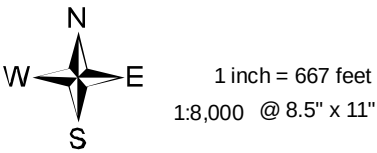
Updated December 2011

LEGEND

 Cleveland National Forest
Congressional District Boundary

Survey Buffers

-  Distribution ROW
-  Distribution Underground ROW
-  Distribution Alternative ROW
-  Transmission ROW



CNF Rare Plant Survey – 2010

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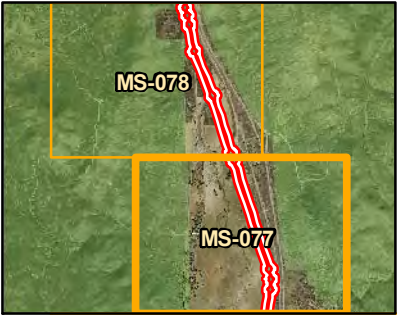
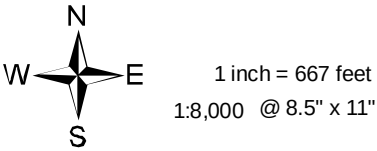
Updated December 2011

LEGEND

 Cleveland National Forest
 Congressional District Boundary

Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



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 Cleveland National Forest
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Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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LEGEND

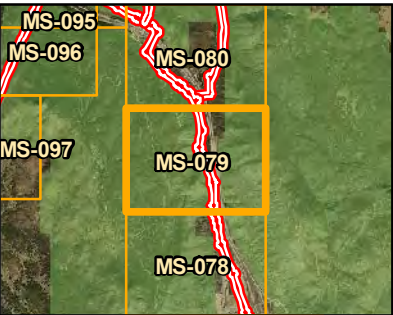
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



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 Cleveland National Forest
Congressional District Boundary

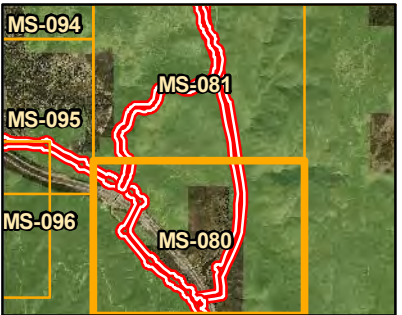
Survey Buffers

 Distribution ROW
 Distribution Underground ROW
 Distribution Alternative ROW
 Transmission ROW

0 400 800 1,200
Feet



1 inch = 667 feet
1:8,000 @ 8.5" x 11"



CNF Rare Plant Survey – 2010

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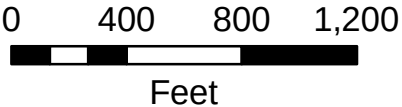
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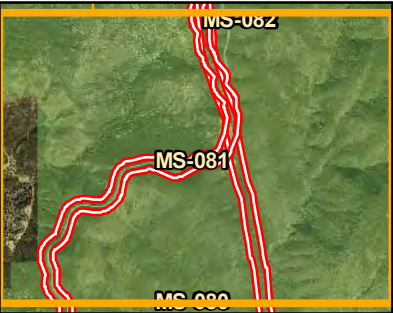
Cleveland National Forest
Congressional District Boundary

Survey Buffers

- Distribution ROW
- Distribution Underground ROW
- Distribution Alternative ROW
- Transmission ROW



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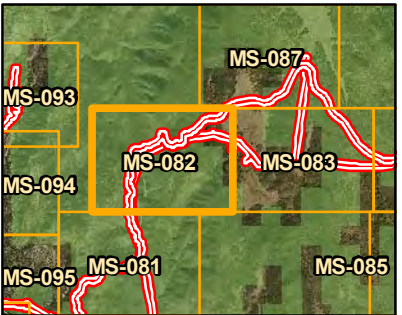
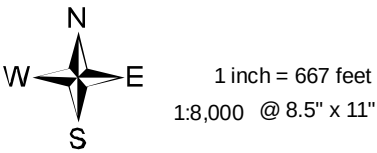
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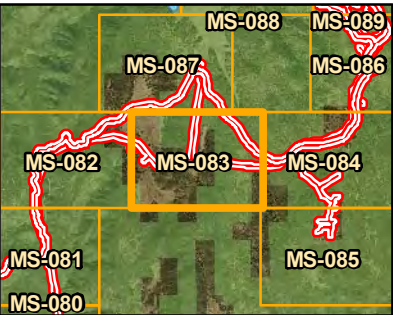
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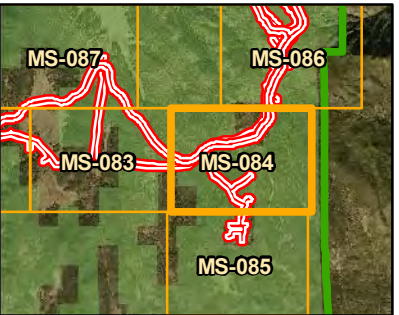
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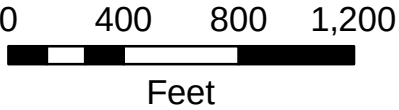
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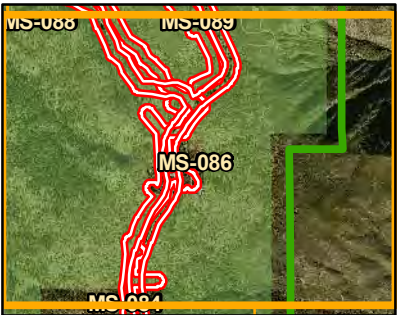
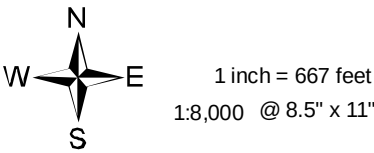
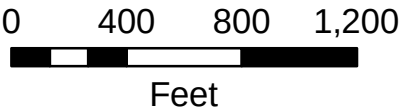
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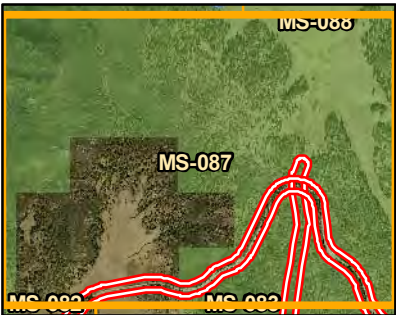
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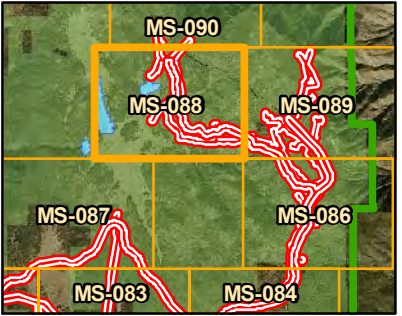
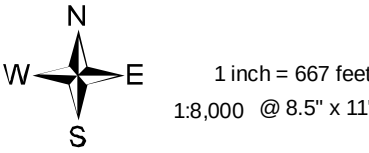
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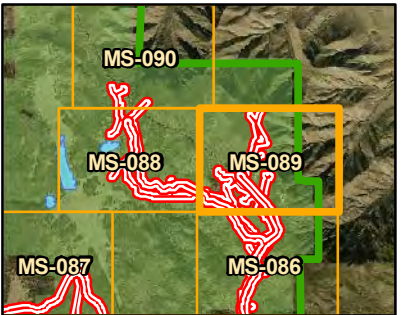
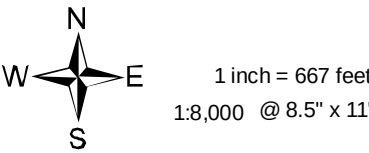
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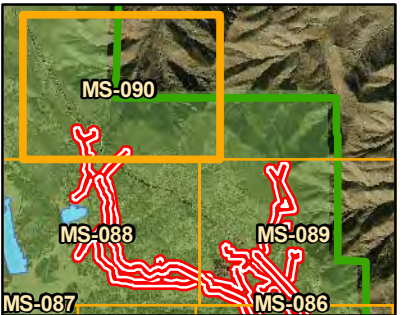
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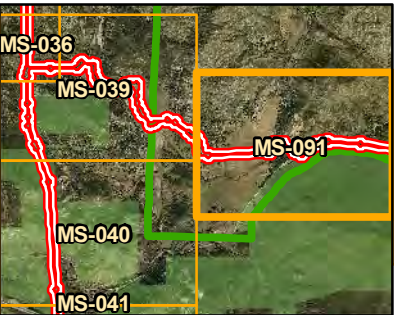
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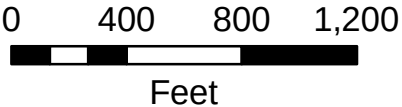
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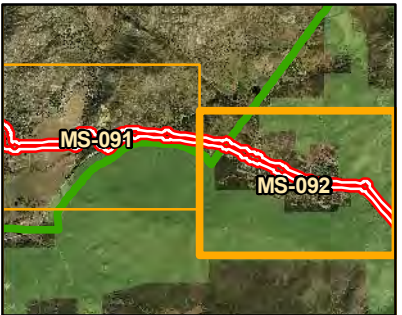
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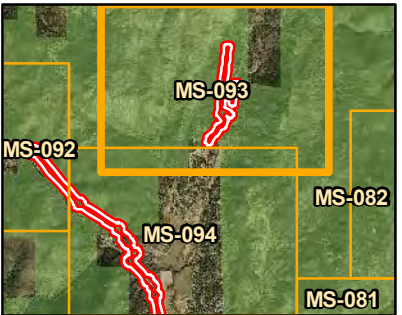
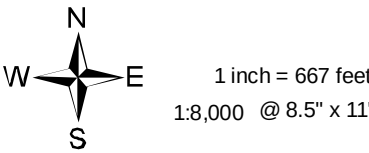
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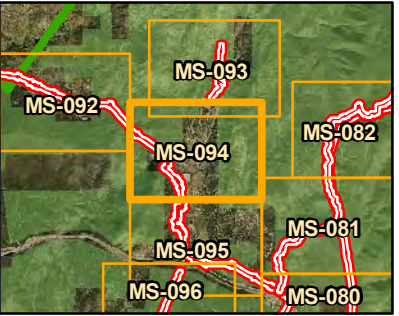
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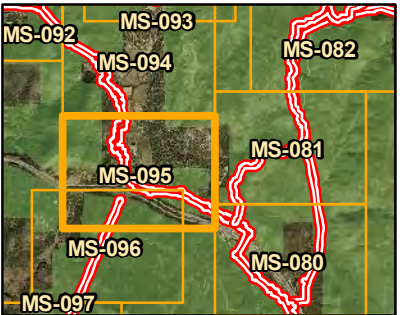
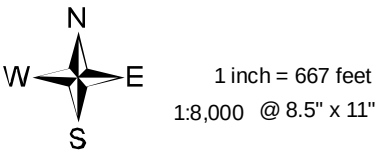
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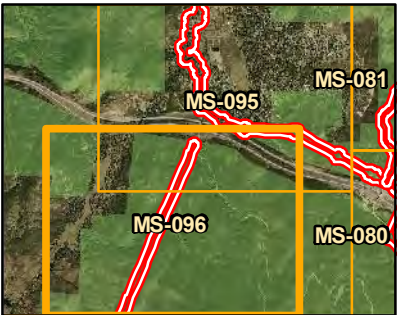
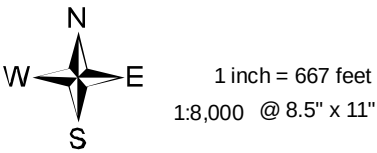
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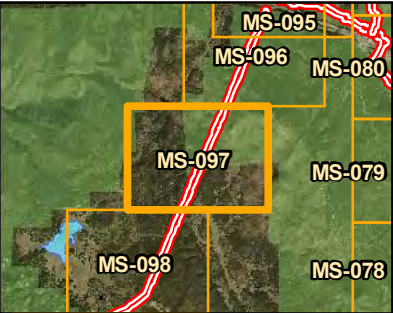
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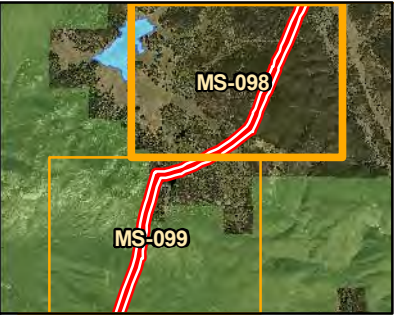
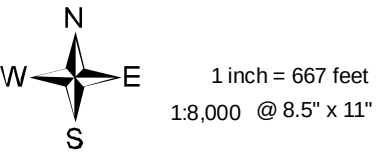
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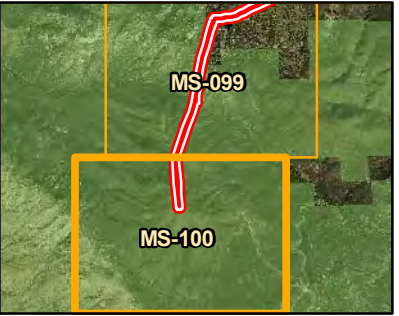
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APPENDIX B – INVENTORY OF PLANT SPECIES OBSERVED BY TIE-LINE

Appendix B1: Circuit 78 (Viejas Grade) Plant Species List

Scientific Name	Common Name
LYCOPHYTES	
SELAGINELLACEAE	SPIKE-MOSS FAMILY
<i>Selaginella bigelovii</i>	Bigelow's spike-moss
FERNS AND FERN ALLIES	
PTERIDACEAE	BRAKE FAMILY
<i>Cheilanthes clevelandii</i> var. <i>clevelandii</i>	Cleveland's lip fern
<i>Cheilanthes covillei</i>	Coville's lip fern
<i>Pellaea andromedifolia</i>	coffee fern
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's-foot cliff-brake
<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	California goldback fern
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
ALLIACEAE	ONION FAMILY
<i>Allium haematochiton</i>	red-skin onion
CYPERACEAE	SEDGE FAMILY
<i>Carex</i> sp.	sedge
<i>Carex triquetra</i>	triangular-fruit sedge
HYACINTHACEAE	HYACINTH FAMILY
<i>Chlorogalum parviflorum</i>	small-flowered amole
IRIDACEAE	IRIS FAMILY
<i>Sisyrinchium bellum</i>	blue-eyed grass
JUNCACEAE	RUSH FAMILY
<i>Juncus macrophyllus</i>	long-leaf rush
LILIACEAE	LILY FAMILY
<i>Calochortus splendens</i>	splendid mariposa lily
<i>Calochortus weedii</i> var. <i>weedii</i>	Weed's mariposa lily
<i>Fritillaria biflora</i> var. <i>biflora</i>	chocolate lily
ORCHIDACEAE	ORCHID FAMILY
<i>Piperia cooperi</i>	Cooper's rein orchid
POACEAE	GRASS FAMILY
<i>Achnatherum coronatum</i>	giant stipa
<i>Achnatherum lemmonii</i>	Lemmon's stipa
<i>Aristida purpurea</i> var. <i>purpurea</i>	purple three-awn
<i>Avena barbata</i> *	slender wild oat
<i>Avena fatua</i> *	wild oat
<i>Bothriochloa barbinodis</i>	cane bluestem
<i>Brachypodium distachyon</i> *	false-brome
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome
<i>Bromus diandrus</i> *	ripgut grass
<i>Bromus hordeaceus</i> *	soft chess
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	foxtail chess
<i>Bromus</i> sp.	brome

Scientific Name	Common Name
<i>Elymus elymoides</i>	squirreltail
<i>Elymus glaucus</i>	blue wildrye
<i>Gastridium ventricosum</i> *	nit grass
<i>Hordeum murinum</i> *	barley
<i>Lamarckia aurea</i> *	golden-top
<i>Melica frutescens</i>	tall melic
<i>Melica imperfecta</i>	coast range melic
<i>Muhlenbergia microsperma</i>	little-seed muhly
<i>Muhlenbergia rigens</i>	deergrass
<i>Nassella cernua</i>	nodding needlegrass
<i>Nassella lepida</i>	foothill needlegrass
<i>Nassella pulchra</i>	purple needlegrass
<i>Schismus barbatus</i> *	Mediterranean schismus
<i>Vulpia microstachys</i>	fescue
<i>Vulpia myuros</i> *	rat-tail fescue
<i>Vulpia octoflora</i>	fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Bloomeria crocea</i> var. <i>crocea</i>	common goldenstar
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
<i>Dichelostemma capitatum</i> ssp. <i>pauciflorum</i>	few-flower blue dicks
ANGIOSPERMS (EUDICOTS)	
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	blue elderberry
AIZOACEAE	FIG-MARIGOLD FAMILY
<i>Carpobrotus edulis</i> *	hottentot-fig
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Rhus integrifolia</i>	lemonadeberry
<i>Rhus ovata</i>	sugar bush
<i>Rhus trilobata</i>	skunkbrush
<i>Schinus molle</i> *	Peruvian pepper tree
<i>Schinus terebinthifolius</i> *	Brazilian pepper tree
<i>Toxicodendron diversilobum</i>	Western poison-oak
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
APIACEAE	CARROT FAMILY
<i>Apiastrum angustifolium</i>	mock-parsley
<i>Daucus pusillus</i>	rattlesnake weed
<i>Lomatium dasycarpum</i> ssp. <i>dasycarpum</i>	woolly-fruit lomatium
<i>Lomatium lucidum</i>	shiny lomatium
<i>Sanicula bipinnata</i>	poison sanicle
<i>Sanicula bipinnatifida</i>	purple sanicle
<i>Sanicula crassicaulis</i>	Pacific sanicle
APOCYNACEAE	DOGBANE FAMILY
<i>Nerium oleander</i> *	oleander

Scientific Name	Common Name
ASCLEPIADACEAE	MILKWEED FAMILY
<i>Asclepias californica</i>	California milkweed
<i>Asclepias eriocarpa</i>	Indian milkweed
ASTERACEAE	SUNFLOWER FAMILY
<i>Achillea millefolium</i>	yarrow, milfoil
<i>Acourtia microcephala</i>	sacapellote
<i>Ambrosia psilostachya</i>	western ragweed
<i>Artemisia californica</i>	California sagebrush
<i>Baccharis sarothroides</i>	broom baccharis
<i>Brickellia californica</i>	California brickellbush
<i>Carduus pycnocephalus</i> *	Italian thistle
<i>Centaurea melitensis</i> *	tocalote
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Cirsium occidentale</i> var. <i>californicum</i>	California thistle
<i>Conyza canadensis</i>	horseweed
<i>Conyza</i> sp.	horseweed
<i>Corethrogyne filaginifolia</i> var. <i>filaginifolia</i>	common sand-aster
<i>Cotula australis</i> *	Australian brass-buttons
<i>Deinandra fasciculata</i>	fascicled tarweed
<i>Deinandra</i> sp.	tarweed
<i>Ericameria linearifolia</i>	interior goldenbush
<i>Ericameria parishii</i> var. <i>parishii</i>	Parish's goldenbush
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	long-stem golden-yarrow
<i>Filago californica</i>	California filago
<i>Filago gallica</i> *	narrow-leaf filago
<i>Gazania linearis</i> *	treasure flower
<i>Gnaphalium californicum</i>	California everlasting
<i>Gutierrezia sarothrae</i>	broom matchweed
<i>Gutierrezia</i> sp.	matchweed
<i>Hazardia squarrosa</i> ssp. <i>grindelioides</i>	southern sawtooth goldenbush
<i>Hedypnois cretica</i> *	Crete hedypnois
<i>Helianthus gracilentus</i>	slender sunflower
<i>Heterotheca grandiflora</i>	telegraph weed
<i>Hypochaeris glabra</i> *	smooth cat's-ear
<i>Machaeranthera juncea</i>	rush chaparral-star
<i>Osmadenia tenella</i>	osmadenia
<i>Porophyllum gracile</i>	odora
<i>Pseudognaphalium beneolens</i>	fragrant everlasting
<i>Pseudognaphalium biolettii</i>	bicolor cudweed
<i>Rafinesquia californica</i>	California chicory
<i>Solidago californica</i>	California goldenrod
<i>Sonchus asper</i> ssp. <i>asper</i> *	prickly sow-thistle
<i>Sonchus oleraceus</i> *	common sow-thistle

Scientific Name	Common Name
<i>Stephanomeria</i> sp.	wreathplant
<i>Stylocline gnaphaloides</i>	everlasting nest-straw
<i>Uropappus lindleyi</i>	silver puffs
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i> var. <i>intermedia</i>	rancher's fiddleneck
<i>Cryptantha</i> sp.	cryptantha
<i>Cryptantha barbiger</i>	bearded cryptantha
<i>Cryptantha intermedia</i>	Nievitans cryptantha
<i>Cryptantha lepida</i>	redroot cryptantha
<i>Harpagonella palmeri</i>	Palmer's grappling hook
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	slender pectocarya
<i>Plagiobothrys collinus</i>	popcorn flower
BRASSICACEAE	MUSTARD FAMILY
<i>Athysanus pusillus</i>	dwarf athysanus
<i>Boechera sparsiflora</i> var. <i>californica</i>	California rock-cress
<i>Hirschfeldia incana</i> *	short-pod mustard
<i>Lepidium nitidum</i> var. <i>nitidum</i>	shining peppergrass
<i>Lepidium</i> sp.	peppergrass
<i>Sisymbrium irio</i> *	London rocket
CACTACEAE	CACTUS FAMILY
<i>Opuntia oricola</i>	pancake prickly pear
<i>Opuntia phaeacantha</i>	desert prickly pear
CAMPANULACEAE	BELLFLOWER FAMILY
<i>Nemacladus ramosissimus</i>	Nuttall's threadplant
<i>Nemacladus</i> sp.	threadplant
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
<i>Lonicera subspicata</i> var. <i>denudata</i>	Johnston's honeysuckle
CARYOPHYLLACEAE	PINK FAMILY
<i>Silene antirrhina</i>	snapdragon catchfly
<i>Silene gallica</i> *	common catchfly
<i>Silene laciniata</i> ssp. <i>laciniata</i>	southern pink
<i>Silene multinervia</i>	many-nerve catchfly
CISTACEAE	ROCK-ROSE FAMILY
<i>Helianthemum scoparium</i>	peak rush-rose
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Calystegia macrostegia</i> ssp. <i>tenuifolia</i>	San Diego morning-glory
<i>Calystegia macrostegia</i>	morning-glory
<i>Cuscuta californica</i> var. <i>californica</i>	chaparral dodder
CRASSULACEAE	STONECROP FAMILY
<i>Crassula connata</i>	pygmyweed
<i>Dudleya pulverulenta</i>	chalk dudleya
CUCURBITACEAE	GOURD FAMILY
<i>Cucurbita foetidissima</i>	calabazilla
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	manroot, wild-cucumber

Scientific Name	Common Name
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glandulosa</i>	manzanita
<i>Arctostaphylos glandulosa</i> ssp. <i>zacaensis</i>	Zaca Lake manzanita
<i>Arctostaphylos glauca</i>	big-berry manzanita
EUPHORBIACEAE	SPURGE FAMILY
<i>Chamaesyce maculata</i> *	spotted spurge
<i>Croton setigerus</i>	doveweed
FABACEAE	LEGUME FAMILY
<i>Astragalus gambelianus</i>	Gambell's locoweed
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	San Diego sweet pea
<i>Lotus argophyllus</i> var. <i>argophyllus</i>	silver-leaf lotus
<i>Lotus hamatus</i>	grab lotus
<i>Lotus humistratus</i>	hill lotus
<i>Lotus scoparius</i> var. <i>brevialatus</i>	short-wing deerweed
<i>Lotus scoparius</i> var. <i>scoparius</i>	coastal deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus concinnus</i>	bajada lupine
<i>Lupinus hirsutissimus</i>	stinging lupine
<i>Lupinus sparsiflorus</i>	Coulter's lupine
<i>Lupinus truncatus</i>	collar lupine
<i>Medicago polymorpha</i> *	California burclover
<i>Melilotus indicus</i> *	Indian sweetclover
<i>Parkinsonia aculeata</i>	Mexican palo verde
<i>Trifolium</i> sp.	clover
<i>Trifolium hirtum</i> *	rose clover
<i>Trifolium microcephalum</i>	maiden clover
<i>Trifolium willdenovii</i>	valley clover
FAGACEAE	OAK FAMILY
<i>Quercus agrifolia</i>	coast live oak
<i>Quercus berberidifolia</i>	scrub oak
<i>Quercus engelmannii</i>	Engelmann's oak
<i>Quercus palmeri</i>	Palmer's oak
GENTIANACEAE	GENTIAN FAMILY
<i>Centaurium venustum</i>	canchalagua
GERANIACEAE	GERANIUM FAMILY
<i>Erodium botrys</i> *	long-beak filaree
<i>Erodium cicutarium</i> *	red-stem filaree
GROSSULARIACEAE	GOOSEBERRY FAMILY
<i>Ribes indecorum</i>	white-flower currant
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Emmenanthe penduliflora</i> var. <i>penduliflora</i>	whispering bells
<i>Eriodictyon crassifolium</i> var. <i>crassifolium</i>	felt-leaf yerba santa
<i>Nemophila menziesii</i> var. <i>integrifolia</i>	small-flower baby blue-eyes

Scientific Name	Common Name
<i>Phacelia cicutaria</i> var. <i>hispida</i>	caterpillar phacelia
<i>Phacelia parryi</i>	Parry's phacelia
<i>Phacelia ramosissima</i>	branching phacelia
LAMIACEAE	MINT FAMILY
<i>Acanthomintha ilicifolia</i>	thornmint
<i>Marrubium vulgare</i> *	horehound
<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	felt-leaf monardella
<i>Salvia apiana</i>	white sage
<i>Salvia clevelandii</i>	fragrant sage
<i>Salvia columbariae</i>	chia
<i>Scutellaria tuberosa</i>	Danny's skullcap
<i>Trichostema parishii</i>	mountain bluecurls
LINACEAE	FLAX FAMILY
<i>Hesperolinon micranthum</i>	thread-stem dwarf-flax
MALVACEAE	MALLOW FAMILY
<i>Malacothamnus densiflorus</i>	many-flower bushmallow
<i>Fremontodendron californicum</i> ssp. <i>californicum</i>	California fremontia, flannelbush
MYRTACEAE	MYRTLE FAMILY
<i>Callistemon viminalis</i>	weeping bottlebrush
<i>Eucalyptus sideroxylon</i>	red iron bark
NYCTAGINACEAE	FOUR-O'CLOCK FAMILY
<i>Mirabilis laevis</i> var. <i>crassifolia</i>	coastal wishbone plant
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Camissonia bistorta</i>	California sun cup
<i>Camissonia californica</i>	false-mustard
<i>Camissonia hirtella</i>	field sun cup
<i>Camissonia strigulosa</i>	sandysoil sun cup
<i>Clarkia delicata</i>	delicate clarkia
<i>Clarkia epilobioides</i>	canyon godetia
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four-spot clarkia
<i>Epilobium canum</i>	California fuchsia
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja densiflora</i> ssp. <i>gracilis</i>	Parish's owl's-clover
<i>Castilleja exserta</i> ssp. <i>exserta</i>	purple owl's-clover
<i>Castilleja foliolosa</i>	woolly Indian paintbrush
<i>Castilleja minor</i> ssp. <i>spiralis</i>	California thread-torch
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	dark-tip bird's beak
<i>Orobanche bulbosa</i>	chaparral broom-rape
<i>Orobanche parishii</i> ssp. <i>parishii</i>	Parish's broom-rape
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PHRYMACEAE	HOPSEED FAMILY
<i>Mimulus aurantiacus</i>	coast monkey flower
<i>Mimulus brevipes</i>	slope semiphore

Scientific Name	Common Name
<i>Mimulus pilosus</i>	downy monkey flower
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum coulterianum</i>	Coulter's snapdragon
<i>Antirrhinum nuttallianum</i> ssp. <i>nuttallianum</i>	Nuttall's snapdragon
<i>Keckiella ternata</i> var. <i>ternata</i>	summer bush penstemon
<i>Keckiella antirrhinoides</i> var. <i>antirrhinoides</i>	yellow bush penstemon
<i>Penstemon heterophyllus</i> var. <i>heterophyllus</i>	penstemon
<i>Plantago erecta</i>	dot-seed plantain
<i>Plantago patagonica</i>	desert plantain
PLATANACEAE	SYCAMORE FAMILY
<i>Platanus racemosa</i>	western sycamore
POLEMONIACEAE	PHLOX FAMILY
<i>Allophyllum gilioides</i>	straggling false-gilia
<i>Allophyllum divaricatum</i>	purple false-gilia
<i>Eriastrum filifolium</i>	thread-leaf woolly-star
<i>Eriastrum sapphirinum</i> ssp. <i>sapphirinum</i>	sapphire woolly-star
<i>Linanthus dianthiflorus</i>	farinose ground pink
<i>Navarretia atractyloides</i>	holly-leaf skunkweed
<i>Navarretia hamata</i> ssp. <i>hamata</i>	hooked skunkweed
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Chorizanthe fimbriata</i> var. <i>fimbriata</i>	fringed spineflower
<i>Chorizanthe fimbriata</i> var. <i>laciniata</i>	lacinate spineflower
<i>Chorizanthe procumbens</i>	prostrate spineflower
<i>Chorizanthe staticoides</i>	turkish rugging
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	coastal California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	inland California buckwheat
<i>Eriogonum gracile</i>	slender buckwheat
<i>Eriogonum thurberi</i>	Thurber's buckwheat
<i>Pterostegia drymarioides</i>	granny's hairnet
PORTULACACEAE	PURSLANE FAMILY
<i>Calandrinia ciliata</i>	red maids
<i>Claytonia perfoliata</i> ssp. <i>mexicana</i>	Mexican miner's-lettuce
PRIMULACEAE	PRIMROSE FAMILY
<i>Anagallis arvensis</i> *	scarlet pimpernel
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Clematis pauciflora</i>	ropevine clematis
<i>Clematis lasiantha</i>	clematis
<i>Delphinium parryi</i> ssp. <i>parryi</i>	Parry's larkspur
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus greggii</i> var. <i>perplexans</i>	cup-leaf-lilac
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Rhamnus crocea</i>	spiny redberry
<i>Rhamnus ilicifolia</i>	holly-leaf redberry

Scientific Name	Common Name
<i>Rhamnus pilosa</i>	hairy-leaf redberry
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Cercocarpus betuloides</i>	birch-leaf mountain-mahogany
<i>Heteromeles arbutifolia</i>	toyon
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
RUBIACEAE	MADDER FAMILY
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	narrow-leaf bedstraw
<i>Galium aparine</i>	goose grass
<i>Galium nuttallii</i> ssp. <i>nuttallii</i>	San Diego bedstraw
<i>Galium porrigens</i> var. <i>porrigens</i>	climbing/oval-leaf bedstraw
SAXIFRAGACEAE	SAXIFRAGE FAMILY
<i>Jepsonia parryi</i>	coast Jepsonia
SOLANACEAE	NIGHTSHADE FAMILY
<i>Datura wrightii</i>	western jimson weed
<i>Nicotiana glauca</i> *	tree tobacco
<i>Solanum</i> sp.	nightshade
<i>Solanum parishii</i>	Parish's nightshade
URTICACEAE	NETTLE FAMILY
<i>Parietaria hespera</i>	pellitory

Note: * Indicates Non-Native Species

Appendix B2: Circuit 79 (Descanso to Boulder Creek) Plant Species List

Scientific Name	Common Name
FERNS AND FERN ALLIES	
BLECHNACEAE	DEER FERN FAMILY
<i>Woodwardia fimbriata</i>	giant chain fern
DENNSTAEDTIACEAE	BRACKEN FAMILY
<i>Pteridium aquilinum</i> var. <i>pubescens</i>	western bracken
DRYOPTERIDACEAE	WOOD FERN FAMILY
<i>Polystichum imbricans</i>	sword fern
PTERIDACEAE	BRAKE FAMILY
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's-foot fern
GYMNOSPERMS	
CUPRESSACEAE	CYPRESS FAMILY
<i>Calocedrus decurrens</i>	California incense cedar
PINACEAE	PINE FAMILY
<i>Abies concolor</i>	white fir
<i>Pinus coulteri</i>	Coulter pine
<i>Pinus jeffreyi</i>	yellow pine
<i>Pinus lambertiana</i>	sugar pine
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
ALLIACEAE	ONION FAMILY
<i>Allium haematochiton</i>	red-skin onion
<i>Allium parryi</i>	Parry's onion
IRIDACEAE	IRIS FAMILY
<i>Sisyrinchium bellum</i>	blue-eyed grass
LILIACEAE	LILY FAMILY
<i>Calochortus albus</i>	white fairy lantern
<i>Calochortus dunnii</i>	Dunn's mariposa lily
<i>Calochortus splendens</i>	splendid mariposa lily
<i>Lilium</i> sp.	lily
ORCHIDACEAE	ORCHID FAMILY
<i>Piperia</i> sp.	orchid
POACEAE	GRASS FAMILY
<i>Achnatherum lemmonii</i>	Lemon's stipa
<i>Achnatherum occidentale</i> ssp. <i>californicum</i>	California needlegrass
<i>Avena barbata</i> *	slender wild oat
<i>Avena fatua</i> *	wild oat
<i>Avena</i> sp.*	Oat
<i>Bromus carinatus</i>	California brome
<i>Bromus diandrus</i> *	ripgut grass
<i>Bromus hordeaceus</i> *	soft chess
<i>Bromus grandis</i>	tall brome
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	foxtail chess
<i>Bromus orcuttianus</i> var. <i>orcuttianus</i>	Hall's brome
<i>Bromus tectorum</i> *	cheat grass

Scientific Name	Common Name
<i>Elymus elymoides</i>	squirreltail
<i>Elymus glaucus</i>	blue wildrye
<i>Hordeum murinum</i> *	glaucous foxtail barley
<i>Nassella lepida</i>	foothill needlegrass
<i>Phalaris aquatica</i> *	Harding grass
<i>Phalaris canariensis</i> *	canary grass
<i>Piptatherum miliaceum</i> *	smilo grass
<i>Poa compressa</i> *	Canadian bluegrass
<i>Poa pratensis</i> ssp. <i>pratensis</i> *	Kentucky bluegrass
<i>Polypogon interruptus</i> *	ditch beard grass
<i>Schismus barbatus</i> *	Mediterranean schismus
<i>Vulpia microstachys</i>	small fescue
<i>Vulpia myuros</i> *	rat-tail fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Bloomeria crocea</i> var. <i>crocea</i>	common goldenstar
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
<i>Dichelostemma capitatum</i> ssp. <i>pauciflorum</i>	few-flower blue dicks
ANGIOSPERMS (EUDICOTS)	
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	Mexican elderberry
AMARANTHACEAE	AMARANTH FAMILY
<i>Chenopodium album</i> *	lamb's quarters
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Rhus ovata</i>	sugar bush
<i>Rhus trilobata</i>	skunkbrush
<i>Toxicodendron diversilobum</i>	poison-oak
APIACEAE	CARROT FAMILY
<i>Lomatium dasycarpum</i> ssp. <i>dasycarpum</i>	woolly-fruit lomatium
<i>Tauschia arguta</i>	southern tauschia
APOCYNACEAE	DOGBANE FAMILY
<i>Apocynum androsaemifolium</i>	bitter dogbane
<i>Asclepias californica</i>	California milkweed
ASTERACEAE	SUNFLOWER FAMILY
<i>Achillea millefolium</i>	California yarrow
<i>Acourtia microcephala</i>	sacapellote
<i>Agoseris retrorsa</i>	spear-leaf agoseris
<i>Ambrosia psilostachya</i>	western ragweed
<i>Artemisia dracunculus</i>	tarragon
<i>Artemisia ludoviciana</i> ssp. <i>ludoviciana</i>	silver wormwood
<i>Centaurea melitensis</i> *	tocalote
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Cirsium occidentale</i> var. <i>occidentale</i>	cobwebby thistle
<i>Corethrogyne filaginifolia</i>	California sand-aster
<i>Ericameria parishii</i> var. <i>parishii</i>	Parish's goldenbush
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	golden yarrow
<i>Filago gallica</i> *	narrow-leaf filago

Scientific Name	Common Name
<i>Gnaphalium stramineum</i>	cotton-batting plant
<i>Gutierrezia sarothrae</i>	broom matchweed
<i>Hazardia squarrosa</i> var. <i>grindelioides</i>	southern sawtooth goldenbush
<i>Hedypnois cretica</i> *	Crete hedypnois
<i>Helianthus gracilentus</i>	slender sunflower
<i>Hulsea californica</i>	San Diego hulsea
<i>Hypochaeris glabra</i> *	smooth cat's ear
<i>Lactuca serriola</i> *	prickly lettuce
<i>Lessingia glandulifera</i> var. <i>glandulifera</i>	valley lessingia
<i>Madia gracilis</i>	slender madia
<i>Matricaria matricarioides</i> *	pineapple weed
<i>Pentachaeta aurea</i>	golden daisy
<i>Rafinesquia californica</i>	California chicory
<i>Senecio californicus</i>	California butterweed
<i>Solidago californica</i>	California goldenrod
<i>Tragopogon dubius</i> *	goat's beard
<i>Uropappus lindleyi</i>	silver puffs
<i>Wyethia ovata</i>	southern mule's ear
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i>	common fiddleneck
<i>Cryptantha</i> sp.	cryptantha
<i>Cryptantha intermedia</i>	nievitas cryptantha
BRASSICACEAE	MUSTARD FAMILY
<i>Erysimum capitatum</i> ssp. <i>capitatum</i>	western wallflower
<i>Hirschfeldia incana</i> *	shortpod mustard
<i>Sisymbrium altissimum</i> *	tumble mustard
<i>Sisymbrium orientale</i> *	hare's-ear cabbage
<i>Streptanthus bernardinus</i>	Laguna Mountain jewelflower
<i>Thysanocarpus curvipes</i>	hairy fringe pod
CAMPANULACEAE	BELLFLOWER FAMILY
<i>Nemacladus pinnatifidus</i>	comb-leaf threadplant
<i>Nemacladus</i> sp.	threadplant
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
<i>Symphoricarpos mollis</i>	creeping snowberry
<i>Symphoricarpos rotundifolius</i>	snowberry
CARYOPHYLLACEAE	PINK FAMILY
<i>Silene laciniata</i> ssp. <i>laciniata</i>	southern pink
CISTACEAE	ROCK-ROSE FAMILY
<i>Helianthemum scoparium</i>	peak rush-rose
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Calystegia macrostegia</i>	western bindweed
CORNACEAE	DOGWOOD FAMILY
<i>Cornus nuttallii</i>	mountain dogwood
CRASSULACEAE	STONECROP FAMILY
<i>Dudleya lanceolata</i>	lance-leaf dudleya
CUCURBITACEAE	GOURD FAMILY
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	wild cucumber

Scientific Name	Common Name
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glandulosa</i> ssp. <i>adamsii</i>	Laguna Mountain manzanita
<i>Arctostaphylos pringlei</i> ssp. <i>drupacea</i>	pink-bract manzanita
<i>Arctostaphylos pungens</i>	point-leaf manzanita
<i>Pyrola picta</i>	white-vein wintergreen
FABACEAE	LEGUME FAMILY
<i>Astragalus douglasii</i> var. <i>parishii</i>	Parish's Locoweed
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	San Diego sweet pea
<i>Lathyrus vestitus</i> var. <i>vestitus</i>	canyon sweet pea
<i>Lotus crassifolius</i> var. <i>crassifolius</i>	buck lotus
<i>Lotus heermannii</i> var. <i>heermannii</i>	woolly lotus
<i>Lotus oblongifolius</i> var. <i>oblongifolius</i>	stream lotus
<i>Lotus scoparius</i>	deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus concinnus</i>	bajada lupine
<i>Lupinus excubitus</i> var. <i>austromontanus</i>	grape soda lupine
<i>Pickeringia montana</i> var. <i>tomentosa</i>	hairy chaparral-pea
<i>Trifolium albopurpureum</i> var. <i>albopurpureum</i>	rancheria clover
<i>Trifolium willdenovii</i>	valley clover
<i>Vicia americana</i> var. <i>americana</i>	American vetch
FAGACEAE	OAK FAMILY
<i>Quercus berberidifolia</i>	scrub oak
<i>Quercus chrysolepis</i>	canyon live oak
<i>Quercus kelloggii</i>	California black oak
<i>Quercus wislizeni</i> var. <i>frutescens</i>	interior live oak, scrub live oak
<i>Quercus x acutidens</i>	oak hybrid
<i>Quercus x morehus</i>	oracle oak
GARRYACEAE	SILK TASSEL FAMILY
<i>Garra fremontii</i>	bearbrush/Fremont's silk tassel
GENTIANACEAE	GENTIAN FAMILY
<i>Swertia parryi</i>	deer's ears
GERANIACEAE	GERANIUM FAMILY
<i>Erodium botrys</i> *	long-beak filaree
<i>Erodium cicutarium</i> *	red-stem filaree
GROSSULARIACEAE	GOOSEBERRY FAMILY
<i>Ribes roezlii</i> var. <i>roezlii</i>	Sierra gooseberry
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Nemophila menziesii</i>	baby blue-eyes
<i>Nemophila menziesii</i> var. <i>menziesii</i>	Menzies's baby blue-eyes
<i>Phacelia brachyloba</i>	short-lobed phacelia
<i>Phacelia cicutaria</i> var. <i>hispida</i>	caterpillar phacelia
<i>Phacelia distans</i>	wild-heliotrope
<i>Phacelia imbricata</i>	imbricate phacelia
<i>Phacelia parryi</i>	Parry's phacelia
<i>Turricula parryi</i>	poodle-dog bush

Scientific Name	Common Name
LAMIACEAE	MINT FAMILY
<i>Monardella nana</i> ssp. <i>nana</i>	yellow monardella
<i>Salvia clevelandii</i>	fragrant sage
<i>Salvia columbariae</i>	chia
<i>Salvia sonomensis</i>	creeping sage
<i>Stachys ajugoides</i> var. <i>rigida</i>	hedge-nettle
<i>Trichostema parishii</i>	mountain bluecurls
LINACEAE	FLAX FAMILY
<i>Hesperolinon micranthum</i>	dwarf flax
<i>Linum lewisii</i> var. <i>lewisii</i>	wild flax
LOASACEAE	LOASA FAMILY
<i>Mentzelia</i> sp.	blazing star
MALVACEAE	MALLOW FAMILY
<i>Sidalcea malviflora</i> ssp. <i>sparsifolia</i>	checker-bloom
OLEACEAE	OLIVE FAMILY
<i>Fraxinus velutina</i>	velvet ash
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Camissonia hirtella</i>	field sun cup
<i>Camissonia strigulosa</i>	sandysoil sun cup
<i>Clarkia purpurea</i>	winecup clarkia
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four-spot clarkia
<i>Clarkia rhomboidea</i>	diamond clarkia
<i>Epilobium canum</i>	California fuchsia
<i>Epilobium cilatum</i> ssp. <i>ciliatum</i>	willow herb
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja applegatei</i> ssp. <i>martinii</i>	desert indian paintbrush
<i>Cordylanthus rigidus</i>	bird's beak
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	dark-tip bird's beak
<i>Orobanche bulbosa</i>	chaparral broom rape
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PHYRMACEAE	HOPSEED FAMILY
<i>Mimulus brevipes</i>	slope semaphore
<i>Mimulus clevelandii</i>	Cleveland's bush monkey flower
<i>Mimulus fremontii</i> var. <i>fremontii</i>	Fremont's monkey flower
<i>Mimulus guttatus</i>	seep monkey flower
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum coulterianum</i>	Coulter's snapdragon
<i>Collinsia concolor</i>	southern Chinese houses
<i>Keckiella ternata</i> var. <i>ternata</i>	summer bush penstemon
<i>Penstemon centranthifolius</i>	scarlet bugler
<i>Penstemon heterophyllus</i>	chaparral penstemon
<i>Penstemon heterophyllus</i> var. <i>heterophyllus</i>	foothill penstemon
<i>Penstemon spectabilis</i>	royal penstemon
POLEMONIACEAE	PHLOX FAMILY
<i>Allophylum gilioides</i>	straggling false-gilia
<i>Collinsia childii</i>	Child's blue-eyed mary

Scientific Name	Common Name
<i>Collomia grandiflora</i>	grand collomia
<i>Gilia angelensis</i>	grassland gilia
<i>Gilia capitata</i> ssp. <i>abrotanifolia</i>	ball gilia
<i>Gilia diegensis</i>	San Diego gilia
<i>Leptosiphon ciliatus</i>	whisker brush
<i>Leptosiphon floribundus</i> ssp. <i>glaber</i>	summer snow
<i>Leptosiphon pygmaeus</i> ssp. <i>continentalis</i>	pygmy linanthus
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Chorizanthe fimbriata</i>	fringed spineflower
<i>Eriogonum fasciculatum</i>	California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	coast California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	inland California buckwheat
<i>Eriogonum wrightii</i> var. <i>membranaceum</i>	foothill buckwheat
<i>Polygonum arenastrum</i> *	common knotweed
<i>Sidotheca trilobata</i>	three-lobed starry puncturebract
PORTULACACEAE	PURSLANE FAMILY
<i>Calyptidium monandrum</i>	common calyptidium
<i>Claytonia exiqua</i> ssp. <i>exiqua</i>	serpentine montia
<i>Claytonia parviflora</i> ssp. <i>parviflora</i>	Utah miner's-lettuce
<i>Claytonia perfoliata</i>	miner's-lettuce
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Delphinium cardinale</i>	scarlet larkspur
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus foliosus</i>	wavy-leaf-lilac
<i>Ceanothus greggii</i> var. <i>perplexans</i>	cup-leaf-lilac
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Ceanothus palmeri</i>	Palmer ceanothus
<i>Ceanothus tomentosus</i>	woolly-leaf ceanothus
<i>Rhamnus crocea</i>	spiny redberry
<i>Rhamnus pilosa</i>	hairy-leaf redberry
<i>Rhamnus tomentella</i> var. <i>tomentella</i>	chaparral coffeeberry
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	birch-leaf mountain-mahogany
<i>Heteromeles arbutifolia</i>	toyon
<i>Potentilla glandulosa</i> ssp. <i>glandulosa</i>	sticky cinquefoil
<i>Potentilla glandulosa</i> ssp. <i>reflexa</i>	Greene's cinquefoil
<i>Prunus emarginata</i>	bitter cherry
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
<i>Rosa californica</i>	California rose
RUBIACEAE	MADDER FAMILY
<i>Galium andrewsii</i> ssp. <i>andrewsii</i>	moss/phlox-leaf bedstraw
<i>Galium angustifolium</i>	narrow-leaf bedstraw
<i>Galium aparine</i>	goose grass
SALICACEAE	WILLOW FAMILY
<i>Salix laevigata</i>	red willow
<i>Salix lasiolepis</i>	arroyo willow

Scientific Name	Common Name
SAXIFRAGACEAE	SAXIFRAGE FAMILY
<i>Heuchera rubescens</i> var. <i>versicolor</i>	San Diego alumroot
SOLANACEAE	NIGHTSHADE FAMILY
<i>Solanum umbelliferum</i>	blue witch
VIOLACEAE	VIOLET FAMILY
<i>Viola pedunculata</i>	Johnny-jump-up
<i>Viola</i> sp.	violet
VISCACEAE	MISTLETOE FAMILY
<i>Arceuthobium californicum</i>	sugar-pine dwarf mistletoe
<i>Phoradendron pauciflorum</i>	fir mistletoe
Note: *Indicates a Non-Native Species	

Appendix B3: Circuit 157 (Barrett Lake Area) Plant Species List

Scientific Name	Common Name
LYCOPHYTES	
SELAGINELLACEAE	SPIKE-MOSS FAMILY
<i>Selaginella bigelovii</i>	Bigelow's spike-moss
FERNS AND FERN ALLIES	
POLYPODIACEAE	POLYPODY FAMILY
<i>Polypodium californicum</i>	California polypody
PTERIDACEAE	BRAKE FAMILY
<i>Cheilanthes clevelandii</i> var. <i>clevelandii</i>	Cleveland's lip fern
<i>Cheilanthes covillei</i>	Coville's lip fern
<i>Cheilanthes newberryi</i>	California cotton fern
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's foot cliff-brake
<i>Pentagramma triangularis</i> ssp. <i>viscosa</i>	silverback fern
<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	goldback fern
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
<i>Yucca schidigera</i>	Mojave yucca
ARACEAE	ARUM/DUCKWEED FAMILY
<i>Lemna</i> sp.	duckweed
CYPERACEAE	SEDGE FAMILY
<i>Cyperus eragrostis</i>	tall flatsedge
<i>Schoenoplectus acutus</i> var. <i>occidentalis</i>	viscid bulrush
<i>Schoenoplectus californicus</i>	California bulrush
<i>Schoenoplectus</i> sp.	bulrush
JUNCACEAE	RUSH FAMILY
<i>Juncus bufonius</i>	toad rush
LILIACEAE	LILY FAMILY
<i>Calochortus concolor</i>	golden-bowl mariposa lily
<i>Calochortus splendens</i>	splendid mariposa lily
POACEAE	GRASS FAMILY
<i>Achnatherum coronatum</i>	giant stipa
<i>Avena barbata</i> *	slender wild oat
<i>Avena sativa</i> *	cultivated oats
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome
<i>Bromus diandrus</i> *	ripgut grass
<i>Bromus hordeaceus</i> *	soft chess
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	foxtail chess
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wildrye
<i>Lamarckia aurea</i> *	golden-top
<i>Leymus triticoides</i>	beardless wild-rye
<i>Melica imperfecta</i>	coast range melic
<i>Muhlenbergia microsperma</i>	Little-seed muhly
<i>Nassella lepida</i>	foothill needlegrass
<i>Nassella pulchra</i>	purple needlegrass
<i>Piptatherum miliaceum</i> *	smilo grass

Scientific Name	Common Name
<i>Polypogon monspeliensis</i> *	annual beard grass
<i>Poa secunda</i> ssp. <i>secunda</i>	one-sided bluegrass
<i>Schismus barbatus</i> *	Mediterranean schismus
<i>Vulpia microstachys</i>	fescue
<i>Vulpia myuros</i> var. <i>hirsuta</i> *	hairy rat-tail fescue
<i>Vulpia myuros</i> var. <i>myuros</i> *	rat-tail fescue
<i>Vulpia octoflora</i> var. <i>hirtella</i>	tufted fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
<i>Dichelostemma capitatum</i> ssp. <i>pauciflorum</i>	few-flower blue dicks
ANGIOSPERMS (EUDICOTS)	
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	Mexican elderberry
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Malosma laurina</i>	laurel sumac
<i>Rhus ovata</i>	sugar bush
<i>Rhus trilobata</i>	skunkbrush
<i>Toxicodendron diversilobum</i>	western poison-oak
APIACEAE	CARROT FAMILY
<i>Anthriscus caucalis</i>	Bur chervil
<i>Apiastrum angustifolium</i>	mock-parsley
<i>Bowlesia incana</i>	American bowlesia
<i>Daucus pusillus</i>	rattlesnake weed
<i>Lomatium dasycarpum</i> ssp. <i>dasycarpum</i>	woolly-fruit lomatium
<i>Sanicula crassicaulis</i>	Pacific sanicle
ASTERACEAE	SUNFLOWER FAMILY
<i>Acourtia microcephala</i>	sacapellote
<i>Ambrosia psilostachya</i>	western ragweed
<i>Artemisia californica</i>	coastal sagebrush
<i>Artemisia douglasiana</i>	Douglas mugwort
<i>Artemisia dracunculus</i>	tarragon
<i>Baccharis sarothroides</i>	broom baccharis
<i>Brickellia californica</i>	California brickellbush
<i>Centaurea melitensis</i> *	tocalote
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Chaenactis glabriuscula</i> var. <i>glabriuscula</i>	yellow pincushion
<i>Matricaria matricarioides</i> *	common pineapple weed
<i>Cirsium occidentale</i> var. <i>californicum</i>	California thistle
<i>Conyza canadensis</i>	horseweed
<i>Conyza</i> sp.	horseweed
<i>Corethrogyne filaginifolia</i> var. <i>filaginifolia</i>	common sand-aster
<i>Ericameria linearifolia</i>	interior goldenbush
<i>Ericameria palmeri</i> var. <i>palmeri</i>	Palmer's goldenbush
<i>Ericameria pinifolia</i>	Pine goldenbush
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum confertiflorum</i>	golden yarrow
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	long-stem golden-yarrow

Scientific Name	Common Name
<i>Filago californica</i>	California filago
<i>Filago gallica</i> *	narrow-leaf filago
<i>Geraea viscida</i>	sticky geraea
<i>Psuedognaphalium bioletti</i>	bicolor cudweed
<i>Pseudognaphalium beneolens</i>	fragant everlasting
<i>Pseudognaphalium microcephalum</i>	white everlasting
<i>Gnaphalium palustre</i>	lowland cudweed
<i>Gnaphalium</i> sp.	cudweed
<i>Gutierrezia sarothrae</i>	broom matchweed
<i>Hazardia squarrosa</i> var. <i>grindelioides</i>	southern sawtooth goldenbush
<i>Hedypnois cretica</i> *	Crete hedypnois
<i>Helianthus gracilentus</i>	slender sunflower
<i>Heterotheca grandiflora</i>	telegraph weed
<i>Heterotheca sessiliflora</i>	hairy golden-aster
<i>Hypochaeris glabra</i> *	smooth cat's ear
<i>Lactuca serriola</i> *	prickly lettuce
<i>Layia glandulosa</i>	white tidy-tips
<i>Layia platyglossa</i>	tidy-tips
<i>Machaeranthera juncea</i>	rush chaparral-star
<i>Osmadenia tenella</i>	southern rosinweed
<i>Rafinesquia californica</i>	California chicory
<i>Sonchus asper</i> ssp. <i>asper</i> *	prickly sow-thistle
<i>Sonchus oleraceus</i> *	common sow-thistle
<i>Stephanomeria diegensis</i>	San Diego wreath-plant
<i>Stephanomeria exigua</i> ssp. <i>deanei</i>	Deane's small wreath-plant
<i>Stephanomeria exigua</i> ssp. <i>exigua</i>	small wreath-plant
<i>Stylocline gnaphaloides</i>	everlasting nest-straw
<i>Tetradymia comosa</i>	hairy horsebrush
<i>Uropappus lindleyi</i>	silver puffs
<i>Xanthium strumarium</i>	cocklebur
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i>	fiddleneck
<i>Cryptantha intermedia</i>	nievitas cryptantha
<i>Cryptantha lepida</i>	redroot cryptantha
<i>Cryptantha microstachys</i>	Tejon cryptantha
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	slender pectocarya
<i>Pectocarya penicillata</i>	winged pectocarya
<i>Pectocarya</i> sp.	pectocarya
<i>Plagiobothrys canescens</i>	valley popcornflower
<i>Plagiobothrys collinus</i>	popcornflower
BRASSICACEAE	MUSTARD FAMILY
<i>Athysanus pusillus</i>	dwarf athysanus
<i>Caulanthus heterophyllus</i> var. <i>heterophyllus</i>	San Diego jewelflower
<i>Guillenia lasiophylla</i>	California mustard
<i>Hirschfeldia incana</i> *	short-pod mustard
<i>Lepidium nitidum</i> var. <i>nitidum</i>	shining peppergrass
<i>Lepidium</i> sp.	peppergrass

Scientific Name	Common Name
<i>Sisymbrium altissimum</i> *	tumble mustard
<i>Sisymbrium irio</i> *	London rocket
<i>Sisymbrium orientale</i> *	hare's-ear cabbage
<i>Thysanocarpus curvipes</i>	hairy fringe pod
<i>Thysanocarpus laciniatus</i>	notch fringe pod
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
<i>Lonicera subspicata</i> var. <i>denudata</i>	Johnston's honeysuckle
CARYOPHYLLACEAE	PINK FAMILY
<i>Cerastium glomeratum</i> *	mouse-ear chickweed
<i>Loeflingia squarrosa</i>	California loeflingia
<i>Silene gallica</i> *	common catchfly
<i>Silene multinervia</i>	many-nerve catchfly
<i>Spergularia bocconi</i> *	Boccone's sand-spurry
CISTACEAE	ROCK-ROSE FAMILY
<i>Helianthemum scoparium</i>	peak rush-rose
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Calystegia macrostegia</i>	morning-glory
<i>Cuscuta californica</i> var. <i>californica</i>	chaparral dodder
CRASSULACEAE	STONECROP FAMILY
<i>Crassula connata</i>	pygmy-weed
<i>Dudleya edulis</i>	ladies' fingers
<i>Dudleya pulverulenta</i>	chalk dudleya
CUCURBITACEAE	GOURD FAMILY
<i>Cucurbita palmata</i>	coyote melon
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	manroot, wild-cucumber
DATISCAEAE	DATISCA FAMILY
<i>Datisca glomerata</i>	durango root
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glauca</i>	big-berry manzanita
EUPHORBIACEAE	SPURGE FAMILY
<i>Croton setigerus</i>	doveweed
FABACEAE	LEGUME FAMILY
<i>Amorpha fruticosa</i>	false indigo
<i>Astragalus deanei</i>	Deane's locoweed
<i>Astragalus didymocarpus</i> var. <i>dispermus</i>	dwarf white milkvetch
<i>Astragalus oocarpus</i>	San Diego milkvetch
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	San Diego sweet pea
<i>Lotus argophyllus</i> var. <i>argophyllus</i>	silver-leaf lotus
<i>Lotus hamatus</i>	grab lotus
<i>Lotus scoparius</i> var. <i>brevialatus</i>	short-wing deerweed
<i>Lotus scoparius</i> var. <i>scoparius</i>	coastal deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus concinnus</i>	bajada lupine
<i>Lupinus hirsutissimus</i>	stinging lupine
<i>Lupinus microcarpus</i> var. <i>densiflorus</i>	chick lupine
<i>Lupinus sparsiflorus</i>	Coulter's lupine

Scientific Name	Common Name
<i>Lupinus truncatus</i>	collar lupine
<i>Medicago polymorpha</i> *	California burclover
<i>Melilotus indicus</i> *	Indian sweetclover
<i>Trifolium</i> sp.	clover
<i>Trifolium albopurpureum</i> var. <i>albopurpureum</i>	rancheria clover
<i>Trifolium ciliolatum</i>	tree clover
<i>Trifolium gracilentum</i> var. <i>gracilentum</i>	pin-point clover
<i>Trifolium hirtum</i> *	rose clover
<i>Trifolium microcephalum</i>	maiden clover
<i>Trifolium willdenovii</i>	valley clover
<i>Vicia ludoviciana</i> var. <i>ludoviciana</i>	dear pea vetch
<i>Vicia villosa</i> *	vetch
FAGACEAE	OAK FAMILY
<i>Quercus agrifolia</i>	coast live oak
<i>Quercus berberidifolia</i>	scrub oak
<i>Quercus engelmannii</i>	Engelmann's oak
GENTIANACEAE	GENTIAN FAMILY
<i>Centaurium venustum</i>	canchalagua
GERANIACEAE	GERANIUM FAMILY
<i>Erodium botrys</i> *	long-beak filaree
<i>Erodium brachycarpum</i> *	short-beak filaree
<i>Erodium cicutarium</i> *	red-stem filaree
HELIOTROPACEAE	HELIOTROPE FAMILY
<i>Heliotropium curassavicum</i>	salt heliotrope
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Emmenanthe penduliflora</i> var. <i>penduliflora</i>	whispering bells
<i>Eriodictyon crassifolium</i> var. <i>crassifolium</i>	thick-leaved yerba santa
<i>Eriodictyon trichocalyx</i> var. <i>lanatum</i>	hairy yerba santa
<i>Eucrypta chrysanthemifolia</i> var. <i>chrysanthemifolia</i>	common eucrypta
<i>Nemophila menziesii</i> var. <i>integrifolia</i>	small-flower baby blue eyes
<i>Phacelia cicutaria</i> var. <i>hispida</i>	caterpillar phacelia
<i>Phacelia distans</i>	wild-heliotrope
<i>Phacelia imbricata</i> ssp. <i>patula</i>	imbricate phacelia
<i>Phacelia parryi</i>	Parry's phacelia
<i>Phacelia ramosissima</i> var. <i>latifolia</i>	branching phacelia
<i>Pholistoma membranaceum</i>	white fiesta flower
LAMIACEAE	MINT FAMILY
<i>Salvia apiana</i>	white sage
<i>Stachys ajugoides</i> var. <i>rigida</i>	rigid hedge-nettle
<i>Salvia columbariae</i>	chia
LYTHRACEAE	LOOSESTRIFE FAMILY
<i>Lythrum hyssopifolia</i> *	grass poly
MALVACEAE	MALLOW FAMILY
<i>Malacothamnus densiflorus</i>	many-flower mallow
<i>Malacothamnus fasciculatus</i>	chaparral bushmallow
<i>Malva parviflora</i> *	cheeseweed
NYCTAGINACEAE	FOUR O'CLOCK FAMILY

Scientific Name	Common Name
<i>Mirabilis laevis</i> var. <i>crassifolia</i>	coastal wishbone bush
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Camissonia</i> sp.	camissonia
<i>Camissonia bistorta</i>	California sun cup
<i>Camissonia californica</i>	false-mustard
<i>Camissonia hirtella</i>	field sun cup
<i>Camissonia strigulosa</i>	sandysoil sun cup
<i>Clarkia delicata</i>	delicate/Campo clarkia
<i>Clarkia epilobioides</i>	canyon godetia
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four-spot clarkia
<i>Clarkia similis</i>	canyon clarkia
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja exserta</i> ssp. <i>exserta</i>	purple owl's-clover
<i>Castilleja foliolosa</i>	woolly Indian paintbrush
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PAPAVERACEAE	POPPY FAMILY
<i>Dicentra chrysantha</i>	golden ear-drops
<i>Eschscholzia californica</i>	California poppy
<i>Romneya trichocalyx</i>	hairy Matilija poppy
PHRYMACEAE	HOPSEED FAMILY
<i>Mimulus aurantiacus</i>	monkey flower
<i>Mimulus brevipes</i>	slope semaphore
<i>Mimulus cardinalis</i>	scarlet monkey flower
<i>Mimulus pilosus</i>	downy monkey flower
<i>Mimulus guttatus</i>	seep monkey flower
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum coulterianum</i>	Coulter's snapdragon
<i>Antirrhinum nuttallianum</i>	Nuttall's snapdragon
<i>Collinsia concolor</i>	southern Chinese houses
<i>Keckiella antirrhinoides</i> var. <i>antirrhinoides</i>	yellow bush penstemon
<i>Linaria canadensis</i>	large blue toadflax
<i>Penstemon centranthifolius</i>	scarlet bugler
<i>Penstemon spectabilis</i> ssp. <i>spectabilis</i>	showy penstemon
<i>Veronica anagallis-aquatica</i> *	water speedwell
PLATANACEAE	SYCAMORE FAMILY
<i>Platanus racemosa</i>	western sycamore
POLEMONIACEAE	PHLOX FAMILY
<i>Allophyllum gilioides</i>	straggling false-gilia
<i>Allophyllum violaceum</i>	violet false-gilia
<i>Eriastrum filifolium</i>	thread-leaf woolly-star
<i>Eriastrum sapphirinum</i> ssp. <i>sapphirinum</i>	sapphire woolly-star
<i>Gilia angelensis</i>	grassland gilia
<i>Gilia capitata</i> ssp. <i>abrotanifolia</i>	ball gilia
<i>Navarretia atractyloides</i>	holly-leaf skunkweed
<i>Navarretia</i> sp.	navarretia
POLYGONACEAE	BUCKWHEAT FAMILY

Scientific Name	Common Name
<i>Chorizanthe fimbriata</i> var. <i>fimbriata</i>	fringed spineflower
<i>Chorizanthe fimbriata</i> var. <i>laciniata</i>	lacinate spineflower
<i>Chorizanthe leptotheca</i>	Ramona spineflower
<i>Chorizanthe procumbens</i>	prostrate spineflower
<i>Chorizanthe staticoides</i>	turkish rugging
<i>Eriogonum fasciculatum</i>	California buckwheat
<i>Eriogonum gracile</i> var. <i>gracile</i>	slender buckwheat
<i>Lastarriaea coriacea</i>	lastarriaea
<i>Pterostegia drymarioides</i>	granny's hairnet
PORTULACACEAE	PURSLANE FAMILY
<i>Calandrinia ciliata</i>	red maids
<i>Calyptidium monandrum</i>	common calyptidium
<i>Claytonia exigua</i> ssp. <i>exigua</i>	serpentine montia
<i>Claytonia parviflora</i> ssp. <i>parviflora</i>	Utah miner's-lettuce
<i>Claytonia parviflora</i> ssp. <i>viridis</i>	green miner's-lettuce
<i>Claytonia perfoliata</i> ssp. <i>perfoliata</i>	miner's-lettuce
PRIMULACEAE	PRIMROSE FAMILY
<i>Anagallis arvensis</i> *	scarlet pimpernel
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Clematis pauciflora</i>	ropevine clematis
<i>Clematis lasiantha</i> .	clematis
<i>Delphinium parryi</i>	Parry's larkspur
<i>Delphinium patens</i> ssp. <i>hepaticoideum</i>	spreading larkspur
<i>Delphinium</i> sp.	larkspur
<i>Thalictrum fendleri</i>	meadow-rue
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus cuneatus</i>	buck brush
<i>Ceanothus greggii</i> var. <i>perplexans</i>	cup leaf lilac
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Rhamnus crocea</i>	spiny redberry
<i>Rhamnus ilicifolia</i>	holly-leaf redberry
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
<i>Rosa californica</i>	California rose
RUBIACEAE	MADDER FAMILY
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	narrow-leaved bedstraw
<i>Galium aparine</i>	goose grass
<i>Galium porrigens</i> var. <i>porrigens</i>	climbing/oval-leaf bedstraw
SALICACEAE	WILLOW FAMILY
<i>Populus fremontii</i> ssp. <i>fremontii</i>	western cottonwood
<i>Salix gooddingii</i>	Goodding's black willow
SAXIFRAGACEAE	SAXIFRAGE FAMILY
<i>Jepsonia parryi</i>	mesa saxifrage
<i>Lithophragma affine</i>	woodland star
SCROPHULARIACEAE	FIGWORT FAMILY
<i>Scrophularia californica</i> ssp. <i>floribunda</i>	California figwort

Scientific Name	Common Name
SOLANACEAE	NIGHTSHADE FAMILY
<i>Datura wrightii</i>	western jimson weed
<i>Nicotiana glauca</i> *	tree tobacco
<i>Solanum</i> sp.	nightshade
<i>Solanum douglasii</i>	Douglas' nightshade
<i>Solanum parishii</i>	Parish's nightshade
URTICACEAE	NETTLE FAMILY
<i>Hesperocnide tenella</i>	western nettle
<i>Parietaria hespera</i>	pellitory
Note: * Indicates Non-Native Species	

Appendix B4: Circuit 449 (Morena Reservoir Area) Plant Species List

Scientific Name	Common Name
LYCOPHYTES	
SELAGINELLACEAE	SPIKE-MOSS FAMILY
<i>Selaginella bigelovii</i>	Bigelow's spike-moss
FERNS AND FERN ALLIES	
PTERIDACEAE	BRAKE FAMILY
<i>Aspidotus californica</i>	California lace fern
<i>Cheilanthes clevelandii</i> var. <i>clevelandii</i>	Cleveland's lip fern
<i>Pellaea mucronata</i> ssp. <i>mucronata</i>	bird's foot cliff-brake
<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	California goldback fern
GYMNOSPERMS (GNETALES)	
EPHEDRACEAE	EPHEDRA FAMILY
<i>Ephedra californica</i>	California ephedra
ANGIOSPERMS (MAGNOLIIDS-PIPERALES)	
SAURURACEAE	LIZARD'S TAIL FAMILY
<i>Anemopsis californica</i>	yerba mansa
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
<i>Yucca schidigera</i>	Mojave yucca
CYPERACEAE	SEDGE FAMILY
<i>Carex praegracilis</i>	cluster field sedge
<i>Carex</i> sp.	sedge
<i>Schoenoplectus acutus</i> var. <i>occidentalis</i>	viscid bulrush
<i>Eleocharis macrostachya</i>	pale spike-rush
JUNCACEAE	RUSH FAMILY
<i>Juncus arcticus</i> var. <i>mexicanus</i>	Mexican rush
<i>Juncus bufonius</i>	toad rush
<i>Juncus xiphioides</i>	iris-leaf rush
LILIACEAE	LILY FAMILY
<i>Calochortus</i> sp.	mariposa lily
<i>Calochortus splendens</i>	lilac mariposa lily
POACEAE	GRASS FAMILY
<i>Achnatherum coronatum</i>	giant stipa
<i>Achnatherum speciosum</i>	desert needlegrass
<i>Aristida purpurea</i>	three-awn
<i>Avena barbata</i> *	slender wild oat
<i>Brachypodium distachyon</i> *	false-brome
<i>Bromus diandrus</i> *	ripgut grass
<i>Bromus grandis</i>	tall brome
<i>Bromus hordeaceus</i> *	soft chess
<i>Bromus japonicus</i> *	Japanese brome
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	foxtail chess
<i>Bromus tectorum</i> *	cheat grass
<i>Distichlis spicata</i>	saltgrass
<i>Elymus elymoides</i> ssp. <i>brevifolius</i>	squirreltail

Scientific Name	Common Name
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wildrye
<i>Hordeum murinum</i> *	barley
<i>Melica imperfecta</i>	coast range melic
<i>Muhlenbergia rigens</i>	deergrass
<i>Nassella cernua</i>	nodding needlegrass
<i>Nassella pulchra</i>	purple needlegrass
<i>Piptatherum miliaceum</i> *	smilo grass
<i>Poa annua</i> *	annual bluegrass
<i>Poa pratensis</i> ssp. <i>pratensis</i>	Kentucky bluegrass
<i>Poa secunda</i> ssp. <i>secunda</i>	one-sided bluegrass
<i>Vulpia myuros</i> *	rat-tail fescue
<i>Vulpia octoflora</i> var. <i>hirtella</i>	tufted fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
ANGIOSPERMS (EUDICOTS)	
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	blue elderberry
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
AMARANTHACEAE	AMARANTH FAMILY
<i>Chenopodium album</i> *	lamb's quarters
<i>Chenopodium californicum</i>	California goosefoot
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Rhus ovata</i>	sugar bush
<i>Rhus trilobata</i>	skunkbrush
APIACEAE	CARROT FAMILY
<i>Apiastrum angustifolium</i>	mock-parsley
<i>Conium maculatum</i> *	common poison hemlock
<i>Lomatium dasycarpum</i> ssp. <i>dasycarpum</i>	woolly-fruit lomatium
<i>Sanicula bipinnatifida</i>	purple sanicle
<i>Tauschia arguta</i>	southern tauschia
ASTERACEAE	SUNFLOWER FAMILY
<i>Achillea millefolium</i>	yarrow
<i>Acourtia microcephala</i>	sacapellote
<i>Agoseris retrorsa</i>	spear-leaf agoseris
<i>Ambrosia psilostachya</i>	western ragweed
<i>Artemisia douglasiana</i>	Douglas mugwort
<i>Artemisia dracunculul</i>	tarragon
<i>Artemisia tridentata</i> ssp. <i>tridentata</i>	big sagebrush
<i>Baccharis salicifolia</i>	Mule-fat
<i>Baccharis sarothroides</i>	broom baccharis
<i>Brickellia californica</i>	California brickellbush
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Cirsium occidentale</i> var. <i>californicum</i>	cobweb thistle
<i>Cnicus benedictus</i> *	blessed thistle
<i>Corethrogyne filaginifolia</i> var. <i>filaginifolia</i>	California sand-aster

Scientific Name	Common Name
<i>Ericameria linearifolia</i>	interior goldenbush
<i>Ericameria brachylepis</i>	boundary goldenbush
<i>Ericameria cuneata</i> var. <i>spathulata</i>	wedgeleaf goldenbush
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum wallacei</i>	Wallace's woolly daisy
<i>Filago californica</i>	California filago
<i>Filago gallica</i> *	narrow-leaf filago
<i>Geraea viscida</i>	sticky geraea
<i>Gnaphalium luteo-album</i> *	everlasting cudweed
<i>Gnaphalium palustre</i>	lowland cudweed
<i>Gutierrezia sarothrae</i>	broom matchweed
<i>Hazardia squarrosa</i> var. <i>grindelioides</i>	southern sawtooth goldenbush
<i>Helianthus annuus</i>	western sunflower
<i>Hypochaeris glabra</i> *	smooth cat's ear
<i>Lactuca serriola</i> *	prickly lettuce
<i>Lasthenia gracilis</i>	common goldfields
<i>Lessingia glandulifera</i> var. <i>glandulifera</i>	valley lessingia
<i>Malacothrix californica</i>	desert dandelion
<i>Malacothrix clevelandii</i>	Cleveland's malacothrix
<i>Matricaria matricarioides</i> *	common pineapple weed
<i>Rafinesquia californica</i>	California chicory
<i>Senecio californicus</i>	California butterweed
<i>Solidago californica</i>	California goldenrod
<i>Stephanomeria</i> sp.	wreathplant
<i>Stylocline gnaphaloides</i>	everlasting nest-straw
<i>Taraxacum officinale</i> *	common dandelion
<i>Tetradymia comosa</i>	cotton-thorn
<i>Uropappus lindleyi</i>	silver puffs
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i>	fiddleneck
<i>Cryptantha intermedia</i>	Nievitans cryptantha
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	slender pectocarya
BRASSICACEAE	MUSTARD FAMILY
<i>Boechera perennans</i>	Nevada rock-cress
<i>Caulanthus heterophyllus</i> var. <i>heterophyllus</i>	San Diego jewelflower
<i>Descurainia pinnata</i>	tansy-mustard
<i>Hirschfeldia incana</i> *	short-pod mustard
<i>Lepidium nitidum</i> var. <i>nitidum</i>	shining peppergrass
<i>Sisymbrium altissimum</i> *	tumble mustard
<i>Streptanthus campestris</i>	southern jewelflower
<i>Thysanocarpus curvipes</i>	fringe pod
CACTACEAE	CACTUS FAMILY
<i>Cylindropuntia californica</i> var. <i>parkeri</i>	cane/valley cholla
<i>Opuntia littoralis</i>	coast prickly-pear
CAMPANULACEAE	BELLFLOWER FAMILY
<i>Nemacladus pinnatifidus</i>	comb-leaf threadplant
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY

Scientific Name	Common Name
<i>Lonicera subspicata</i> var. <i>denudata</i>	Johnston's honeysuckle
<i>Symphoricarpos albus</i>	common snowberry
CARYOPHYLLACEAE	PINK FAMILY
<i>Cerastium glomeratum</i> *	mouse-ear chickweed
<i>Loeflingia squarrosa</i>	California loeflingia
<i>Silene antirrhina</i>	snapdragon catchfly
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Cuscuta californica</i> var. <i>californica</i>	chaparral dodder
CRASSULACEAE	STONECROP FAMILY
<i>Dudleya lanceolata</i>	lance-leaf dudleya
<i>Dudleya pulverulenta</i>	chalk dudleya
CUCURBITACEAE	GOURD FAMILY
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	manroot, wild-cucumber
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glauca</i>	big-berry manzanita
<i>Arctostaphylos pungens</i>	point-leaf manzanita
EUPHORBIACEAE	SPURGE FAMILY
<i>Croton setigerus</i>	doveweed
FABACEAE	LEGUME FAMILY
<i>Astragalus douglasii</i> var. <i>parishii</i>	Parish's locoweed
<i>Lotus argophyllus</i> var. <i>argophyllus</i>	silver-leaf lotus
<i>Lotus hamatus</i>	grab lotus
<i>Lotus purshianus</i> var. <i>purshianus</i>	Spanish-clover
<i>Lotus scoparius</i> var. <i>brevialatus</i>	short-wing deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus hirsutissimus</i>	stinging lupine
<i>Lupinus sparsiflorus</i>	Coulter's lupine
<i>Lupinus truncatus</i>	collar lupine
<i>Melilotus indicus</i> *	Indian sweetclover
<i>Trifolium albopurpureum</i> var. <i>albopurpureum</i>	rancheria clover
<i>Trifolium obtusiflorum</i>	creek clover
<i>Trifolium willdenovii</i>	valley clover
<i>Vicia ludoviciana</i> var. <i>ludoviciana</i>	deer pea vetch
FAGACEAE	OAK FAMILY
<i>Quercus agrifolia</i>	coast live oak
<i>Quercus berberidifolia</i>	scrub oak
GARRYACEAE	SILK TASSEL FAMILY
<i>Garrya veatchii</i>	canyon silk tassel
GENTIANACEAE	GENTIAN FAMILY
<i>Swertia parryi</i>	deer's ears
GERANIACEAE	GERANIUM FAMILY
<i>Erodium botrys</i> *	long-beak filaree
<i>Erodium cicutarium</i> *	red-stem filaree
GROSSULARIACEAE	GOOSEBERRY FAMILY
<i>Ribes indecorum</i>	white-flower currant
HELIOTROPACEAE	HELIOTROPE FAMILY

Scientific Name	Common Name
<i>Heliotropium curassavicum</i>	salt heliotrope
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Emmenanthe penduliflora</i> var. <i>penduliflora</i>	whispering bells
<i>Eriodictyon trichocalyx</i> var. <i>lanatum</i>	hairy yerba santa
<i>Eucrypta chrysanthemifolia</i>	eucrypta
<i>Nemophila menziesii</i> var. <i>integrifolia</i>	small-flower baby blue eyes
<i>Phacelia brachyloba</i>	short-lobe phacelia
<i>Phacelia cicutaria</i> var. <i>hispida</i>	caterpillar phacelia
<i>Phacelia distans</i>	wild-heliotrope
<i>Phacelia imbricata</i> ssp. <i>patula</i>	rock phacelia
<i>Phacelia parryi</i>	Parry's phacelia
<i>Phacelia ramosissima</i>	branching phacelia
LAMIACEAE	MINT FAMILY
<i>Lamium amplexicaule</i> *	henbit
<i>Marrubium vulgare</i> *	horehound
<i>Salvia columbariae</i>	chia
<i>Stachys ajugoides</i> var. <i>rigida</i>	rigid hedge-nettle
<i>Trichostema parishii</i>	mountain bluecurls
LOASACEAE	LOASA FAMILY
<i>Mentzelia</i> sp.	blazing star
MALVACEAE	MALLOW FAMILY
<i>Malva parviflora</i> *	cheeseweed
<i>Sidalcea malviflora</i> ssp. <i>sparsifolia</i>	checker bloom
OLEACEAE	OLIVE FAMILY
<i>Fraxinus velutina</i>	velvet ash
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Camissonia californica</i>	false-mustard
<i>Camissonia hirtella</i>	field sun cup
<i>Camissonia strigulosa</i>	sandysoil sun cup
<i>Clarkia delicata</i>	delicate/Campo clarkia
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four-spot clarkia
<i>Clarkia rhomboidea</i>	diamond clarkia
<i>Clarkia similis</i>	canyon clarkia
<i>Epilobium</i> sp.	willow herb
<i>Oenothera elata</i> ssp. <i>hookeri</i>	Hooker's evening-primrose
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja attenuata</i>	valley tassels
<i>Castilleja exserta</i> ssp. <i>exserta</i>	purple owl's-clover
<i>Castilleja subinclusa</i> ssp. <i>subinclusa</i>	long-leaf indian paintbrush
<i>Castilleja foliolosa</i>	woolly Indian paintbrush
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	dark-tip bird's beak
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PAPAVERACEAE	POPPY FAMILY
<i>Eschscholzia californica</i>	California poppy
PHRYMACEAE	HOPSEED FAMILY
<i>Mimulus aurantiacus</i>	monkey flower

Scientific Name	Common Name
<i>Mimulus brevipes</i>	slope semiphore
<i>Mimulus floribundus</i>	showy monkey flower
<i>Mimulus fremontii</i> var. <i>fremontii</i>	Fremont's monkey flower
<i>Mimulus guttatus</i>	seep monkey flower
<i>Mimulus pilosus</i>	downy monkey flower
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum coulterianum</i>	Coulter's snapdragon
<i>Antirrhinum nuttallianum</i> <i>nuttallianum</i>	Nuttall's snapdragon
<i>Collinsia concolor</i>	southern Chinese houses
<i>Keckiella ternata</i> var. <i>ternata</i>	summer bush penstemon
<i>Penstemon centranthifolius</i>	scarlet bugler
<i>Penstemon clevelandii</i> var. <i>clevelandii</i>	Cleveland's beardtongue
<i>Veronica anagallis-aquatica</i> *	water speedwell
POLEMONIACEAE	PHLOX FAMILY
<i>Eriastrum filifolium</i>	Thread-leaf woolly-star
<i>Gilia angelensis</i>	grassland gilia
<i>Gilia capitata</i> ssp. <i>abrotanifolia</i>	ball gilia
<i>Gilia diegensis</i>	San Diego gilia
<i>Leptosiphon parviflorus</i>	coast baby-star
<i>Leptosiphon pygmaeus</i> ssp. <i>continentalis</i>	pygmy linanthus
<i>Navarretia hamata</i> ssp. <i>hamata</i>	hooked navarretia
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Chorizanthe fimbriata</i>	spineflower
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	knotweed spineflower
<i>Eriogonum elongatum</i> var. <i>elongatum</i>	tall buckwheat
<i>Eriogonum davidsonii</i>	skeleton weed
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	Inland California buckwheat
<i>Eriogonum thurberi</i>	Thurber's buckwheat
<i>Eriogonum wrightii</i> var. <i>membranaceum</i>	foothill buckwheat
<i>Eriogonum</i> sp.	annual buckwheat
<i>Polygonum arenastrum</i> *	common knotweed
<i>Pterostegia drymarioides</i>	granny's hairnet
<i>Rumex salicifolius</i>	willow dock
<i>Rumex</i> sp.	dock
<i>Sidothea trilobata</i>	three-lobe starry puncturebract
PORTULACACEAE	PURSLANE FAMILY
<i>Calandrinia ciliata</i>	red maids
<i>Calyptidium monandrum</i>	common calyptidium
<i>Claytonia perfoliata</i>	miner's-lettuce
<i>Portulaca oleracea</i> *	common purslane
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Clematis pauciflora</i>	ropevine clematis
<i>Delphinium parryi</i> ssp. <i>parryi</i>	Parry's larkspur
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	Smooth-leaf meadow-rue
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus cuneatus</i> var. <i>cuneatus</i>	buck brush
<i>Ceanothus greggii</i> var. <i>perplexans</i>	cup-leaf-lilac

Scientific Name	Common Name
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Ceanothus palmeri</i>	Palmer ceanothus
<i>Rhamnus tomentella</i> ssp. <i>tomentella</i>	chaparral coffeeberry
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	birch-leaf mountain-mahogany
<i>Heteromeles arbutifolia</i>	toyon
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
<i>Rosa californica</i>	California rose
RUBIACEAE	MADDER FAMILY
<i>Galium andrewsii</i> ssp. <i>andrewsii</i>	moss/phlox-leaf bedstraw
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	narrow-leaf bedstraw
<i>Galium aparine</i>	goose grass
<i>Galium nuttallii</i> ssp. <i>nuttallii</i>	San Diego bedstraw
SALICACEAE	WILLOW FAMILY
<i>Populus fremontii</i>	western cottonwood
<i>Salix gooddingii</i>	Goodding's black willow
<i>Salix laevigata</i>	red willow
<i>Salix lasiolepis</i>	arroyo willow
SCROPHULARIACEAE	FIGWORT FAMILY
<i>Verbascum thapsus</i> *	common mullein
SOLANACEAE	NIGHTSHADE FAMILY
<i>Datura wrightii</i>	western jimson weed
<i>Nicotiana attenuata</i>	coyote tobacco
<i>Nicotiana quadrivalvis</i>	Indian tobacco
<i>Solanum parishii</i>	Parish's nightshade
TAMARICACEAE	TAMARISK FAMILY
<i>Tamarix</i> sp.	tamarisk
<i>Tamarix ramosissima</i> *	Mediterranean tamarisk
URTICACEAE	NETTLE FAMILY
<i>Urtica dioica</i> ssp. <i>holosericea</i>	hoary nettle
VIOLACEAE	VIOLET FAMILY
<i>Viola pedunculata</i>	Johnny-jump-up
Note: * Indicates Non-Native Species	

Appendix B5: Circuit 440 (Sunrise Highway and Mt. Laguna) Plant Species List

Scientific Name	Common Name
LYCOPHYTES	
SELAGINELLACEAE	SPIKE-MOSS FAMILY
<i>Selaginella bigelovii</i>	Bigelow's spike-moss
FERNS AND FERN ALLIES	
PTERIDACEAE	BRAKE FAMILY
<i>Cheilanthes clevelandii</i> var. <i>clevelandii</i>	Cleveland's lip fern
<i>Cheilanthes covillei</i>	Coville's lip fern
<i>Pellaea andromedifolia</i>	coffee fern
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's-foot cliff-brake
<i>Pentagramma triangularis</i> ssp. <i>viscosa</i>	silverback fern
GYMNOSPERMS	
CUPRESSACEAE	CYPRESS FAMILY
<i>Calocedrus decurrens</i>	California incense cedar
PINACEAE	PINE FAMILY
<i>Abies concolor</i>	white fir
<i>Pinus coulteri</i>	Coulter pine
<i>Pinus jeffreyi</i>	yellow pine
<i>Pinus ponderosa</i>	Pacific Ponderosa pine
<i>Pinus quadrifolia</i>	Parry pinyon
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
<i>Yucca schidigera</i>	Mojave yucca
ALLIACEAE	ONION FAMILY
<i>Allium campanulatum</i>	Sierra onion
<i>Allium haematochiton</i>	red-skin onion
<i>Allium</i> sp.	onion
CYPERACEAE	SEDGE FAMILY
<i>Carex multicosata</i>	many-rib sedge
<i>Carex praegracilis</i>	cluster field sedge
<i>Carex</i> sp.	sedge
<i>Schoenoplectus</i> sp.	bulrush
JUNCACEAE	RUSH FAMILY
<i>Juncus</i> sp.	rush
<i>Juncus arcticus</i> var. <i>mexicanus</i>	Mexican rush
<i>Juncus bufonius</i>	toad rush
<i>Juncus dubius</i>	mariposa rush
<i>Juncus effusus</i> var. <i>austrocalifornicus</i>	Pacific rush
<i>Juncus longistylis</i>	longstyle rush
<i>Juncus xiphioides</i>	iris-leaf rush
LILIACEAE	LILY FAMILY
<i>Calochortus albus</i>	white globe lily
<i>Calochortus concolor</i>	golden-bowl mariposa lily

Scientific Name	Common Name
<i>Calochortus splendens</i>	splendid mariposa lily
<i>Calochortus weedii</i> var. <i>weedii</i>	Weed's mariposa lily
POACEAE	GRASS FAMILY
<i>Achnatherum coronatum</i>	giant stipa
<i>Achnatherum lemmonii</i>	Lemmon's stipa
<i>Achnatherum occidentale</i> ssp. <i>californicum</i>	California needlegrass
<i>Achnatherum speciosum</i>	desert needlegrass
<i>Agrostis pallens</i>	seashore bentgrass
<i>Avena barbata</i> *	slender wild oat
<i>Avena sativa</i> *	cultivated oat
<i>Briza minor</i>	quaking grass
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome
<i>Bromus diandrus</i> *	ripgut grass
<i>Bromus hordeaceus</i> *	soft chess
<i>Bromus japonicus</i> *	Japanese Brome
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	foxtail chess
<i>Bromus tectorum</i> *	cheat grass
<i>Deschampsia danthonioides</i>	annual hairgrass
<i>Elymus elymoides</i> ssp. <i>brevifolius</i>	squirreltail
<i>Elymus glaucus</i>	wildrye
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wildrye
<i>Hordeum murinum</i> *	barley
<i>Koeleria macrantha</i>	junegrass
<i>Leymus triticoides</i>	beardless wild-rye
<i>Lolium multiflorum</i> *	Italian ryegrass
<i>Lolium perenne</i> *	perennial ryegrass
<i>Melica</i> sp.	melic grass
<i>Melica imperfecta</i>	coast range melic
<i>Muhlenbergia rigens</i>	deergrass
<i>Nassella pulchra</i>	purple needlegrass
<i>Nassella</i> sp.	needlegrass
<i>Phalaris minor</i> *	Mediterranean canary grass
<i>Poa annua</i> *	annual bluegrass
<i>Poa bulbosa</i> *	bulbous bluegrass
<i>Poa compressa</i> *	Canadian bluegrass
<i>Poa howellii</i>	Howell's bluegrass
<i>Poa pratensis</i> ssp. <i>pratensis</i>	Kentucky bluegrass
<i>Poa secunda</i> ssp. <i>secunda</i>	one-sided bluegrass
<i>Polypogon monspeliensis</i> *	annual beard grass
<i>Schismus barbatus</i> *	Mediterranean schismus
<i>Triticum aestivum</i> *	cereal wheat
<i>Vulpia microstachys</i> ssp. <i>ciliata</i>	Gray's fescue
<i>Vulpia microstachys</i> var. <i>pauciflora</i>	Pacific fescue
<i>Vulpia microstachys</i>	small fescue
<i>Vulpia myuros</i> var. <i>myuros</i>	rat-tail fescue

Scientific Name	Common Name
<i>Vulpia myuros</i> *	rat-tail fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Bloomeria crocea</i> var. <i>crocea</i>	common goldenstar
<i>Brodiaea terrestris</i> ssp. <i>kernensis</i>	dwarf brodiaea
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
<i>Dichelostemma capitatum</i> ssp. <i>pauciflorum</i>	few-flower blue dicks
ANGIOSPERMS (EUDICOTS)	
ACERACEAE	MAPLE FAMILY
<i>Acer macrophyllum</i>	big-leaf maple
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	blue elderberry
AMARANTHACEAE	AMARANTH FAMILY
<i>Chenopodium album</i> *	lamb's quarters
<i>Chenopodium californicum</i>	California goosefoot
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Rhus ovata</i>	sugar bush
<i>Rhus trilobata</i>	skunkbrush
<i>Toxicodendron diversilobum</i>	Western poison-oak
APIACEAE	CARROT FAMILY
<i>Anthriscus caucalis</i>	bur chervil
<i>Berula erecta</i>	cut-leaf water-parsnip
<i>Lomatium lucidum</i>	shiny lomatium
<i>Osmorhiza brachypoda</i>	California sweet-cicely
<i>Sanicula crassicaulis</i>	Pacific sanicle
<i>Sanicula graveolens</i>	Sierra sanicle
<i>Tauschia arguta</i>	southern tauschia
<i>Tauschia parishii</i>	Parish's tauschia
<i>Yabea microcarpa</i>	California hedge-parsley
APOCYNACEAE	DOGBANE FAMILY
<i>Asclepias californica</i>	California milkweed
<i>Asclepias eriocarpa</i>	Indian milkweed
<i>Asclepias fascicularis</i>	narrow-leaf milkweed
<i>Vinca major</i> *	greater periwinkle
ASTERACEAE	SUNFLOWER FAMILY
<i>Achillea millefolium</i>	yarrow
<i>Acourtia microcephala</i>	sacapellote
<i>Agoseris grandiflora</i>	large-flower agoseris
<i>Agoseris heterophylla</i>	woodland agoseris
<i>Agoseris retrorsa</i>	spear-leaf agoseris
<i>Ambrosia acanthicarpa</i>	annual bur-sage
<i>Ambrosia confertiflora</i>	weak-leaf bur-sage
<i>Ambrosia psilostachya</i>	western ragweed
<i>Artemisia californica</i>	coastal sagebrush
<i>Artemisia douglasiana</i>	Douglas mugwort
<i>Artemisia dracunculus</i>	tarragon
<i>Artemisia ludoviciana</i>	wormwood
<i>Artemisia ludoviciana</i> ssp. <i>ludoviciana</i>	silver wormwood
<i>Artemisia tridentata</i>	sagebrush

Scientific Name	Common Name
<i>Artemisia tridentata</i> ssp. <i>tridentata</i>	big sagebrush
<i>Baccharis salicifolia</i>	mule-fat
<i>Brickellia californica</i>	California brickellbush
<i>Centaurea melitensis</i> *	tocalote
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Chaenactis glabriuscula</i> var. <i>glabriuscula</i>	yellow pincushion
<i>Chrysanthemum coronarium</i> *	garland daisy
<i>Cirsium occidentale</i> var. <i>californicum</i>	California thistle
<i>Cirsium scariosum</i>	bird's-nest thistle
<i>Cirsium vulgare</i> *	bull thistle
<i>Conyza canadensis</i>	horseweed
<i>Corethrogyne filaginifolia</i> var. <i>filaginifolia</i>	common sand-aster
<i>Ericameria cuneata</i> var. <i>macrocephala</i>	Laguna Mountain goldenbush
<i>Ericameria linearifolia</i>	interior goldenbush
<i>Ericameria parishii</i> var. <i>parishii</i>	Parish's goldenbush
<i>Ericameria pinifolia</i>	Pine's goldenbush
<i>Erigeron divergens</i>	diffuse daisy
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	long-stem golden-yarrow
<i>Euthamia occidentalis</i>	western goldenrod
<i>Filago californica</i>	California filago
<i>Filago gallica</i> *	narrow-leaf filago
<i>Geraea viscida</i>	sticky geraea
<i>Gnaphalium californicum</i>	California everlasting
<i>Gnaphalium palustre</i>	lowland cudweed
<i>Gnaphalium stramineum</i>	cotton-batting plant
<i>Gutierrezia californica</i>	California matchweed
<i>Gutierrezia sarothrae</i>	broom matchweed
<i>Hazardia squarrosa</i> var. <i>grindelioides</i>	southern saw-tooth goldenbush
<i>Helianthus gracilentus</i>	slender sunflower
<i>Heterotheca grandiflora</i>	telegraph weed
<i>Hulsea californica</i>	San Diego hulsea
<i>Lactuca serriola</i> *	prickly lettuce
<i>Madia elegans</i> ssp. <i>elegans</i>	elegant madia
<i>Madia gracilis</i>	slender madia
<i>Malacothrix clevelandii</i>	Cleveland's malacothrix
<i>Malacothrix glabrata</i>	smooth desert dandelion
<i>Matricaria matricarioides</i> *	common pineapple-weed
<i>Osmadenia tenella</i>	osmadenia
<i>Pentachaeta aurea</i>	golden daisy
<i>Pseudognaphalium microcephalum</i>	white everlasting
<i>Rafinesquia californica</i>	California chicory
<i>Solidago californica</i>	California goldenrod
<i>Sonchus asper</i> ssp. <i>asper</i> *	prickly sow-thistle
<i>Stephanomeria</i> sp.	wreath-plant
<i>Stephanomeria virgata</i> ssp. <i>pleurocarpa</i>	few-flower wreath-plant
<i>Symphyotrichum chilense</i>	Pacific aster
<i>Taraxacum officinale</i> *	common dandelion
<i>Tragopogon dubius</i> *	goat's beard

Scientific Name	Common Name
<i>Tragopogon porrifolius</i> *	oyster plant
<i>Uropappus lindleyi</i>	Silver puffs
<i>Wyethia ovata</i>	southern mule's ear
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i>	fiddleneck
<i>Cryptantha</i> sp.	cryptantha
<i>Cryptantha intermedia</i>	nievitas cryptantha
<i>Cryptantha micrantha</i>	purple-root cryptantha
<i>Cryptantha lepida</i>	red-root cryptantha
<i>Cryptantha muricata</i>	prickly cryptantha
<i>Cryptantha simulans</i>	pine cryptantha
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	slender pectocarya
<i>Pectocarya penicillata</i>	winged pectocarya
<i>Pectocarya</i> sp.	pectocarya
<i>Plagiobothrys arizonicus</i>	Arizona popcornflower
<i>Plagiobothrys bracteatus</i>	bract popcornflower
<i>Plagiobothrys collinus</i> var. <i>fulvescens</i>	rough popcorn flower
<i>Plagiobothrys</i> sp.	popcornflower
BRASSICACEAE	MUSTARD FAMILY
<i>Athysanus pusillus</i>	dwarf athysanus
<i>Barbarea orthoceras</i>	erect-pod winter-cress
<i>Boechera pulchra</i> var. <i>gracilis</i>	pine rock-cress
<i>Boechera pulchra</i> var. <i>pulchra</i>	beautiful rock-cress
<i>Boechera sparsiflora</i> var. <i>arcuata</i>	elegant rock-cress
<i>Boechera sparsiflora</i> var. <i>californica</i>	California rock-cress
<i>Caulanthus heterophyllus</i> ssp. <i>heterophyllus</i>	San Diego jewelflower
<i>Capsella bursa-pastoris</i> *	shepherd's purse
<i>Erysimum capitatum</i> ssp. <i>capitatum</i>	western wallflower
<i>Descurainia pinnata</i>	tansy-mustard
<i>Hirschfeldia incana</i> *	short-pod mustard
<i>Lepidium</i> sp.	peppergrass
<i>Lepidium nitidum</i> var. <i>nitidum</i>	shining peppergrass
<i>Lepidium virginicum</i>	peppergrass
<i>Lepidium virginicum</i> var. <i>pubescens</i>	hairy peppergrass
<i>Rorippa nasturtium-aquaticum</i>	water-cress
<i>Sisymbrium altissimum</i> *	tumble mustard
<i>Sisymbrium officinale</i> *	hedge mustard
<i>Sisymbrium orientale</i> *	hare's-ear mustard
<i>Thysanocarpus curvipes</i>	fringepod
CACTACEAE	CACTUS FAMILY
<i>Cylindropuntia californica</i> var. <i>parkeri</i>	valley cholla
<i>Opuntia littoralis</i>	coastal prickly-pear
<i>Opuntia phaeacantha</i>	desert prickly-pear
CAMPANULACEAE	BELLFLOWER FAMILY
<i>Nemacladus ramosissimus</i>	Nuttall's threadplant
<i>Nemacladus</i> sp.	threadplant
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
<i>Lonicera subspicata</i> var. <i>denudata</i>	Johnston's honeysuckle
<i>Symphoricarpos albus</i> var. <i>laevigatus</i>	common snowberry

Scientific Name	Common Name
<i>Symphoricarpos rotundifolius</i> var. <i>parishii</i>	snowberry
CARYOPHYLLACEAE	PINK FAMILY
<i>Cerastium glomeratum</i> *	mouse-ear chickweed
<i>Sagina decumbens</i> ssp. <i>occidentalis</i>	western pearlwort
<i>Silene antirrhina</i>	snapdragon catchfly
<i>Silene gallica</i> *	common catchfly
<i>Silene verecunda</i>	Cuyamaca catchfly
<i>Spergularia bocconi</i> *	Boccone's sandspurrey
<i>Stellaria media</i> *	common chickweed
CISTACEAE	ROCK-ROSE FAMILY
<i>Helianthemum scoparium</i>	peak rush-rose
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Calystegia macrostegia</i>	morning-glory
<i>Convolvulus arvensis</i> *	field bindweed
<i>Cuscuta californica</i>	chaparral dodder
CORNACEAE	DOGWOOD FAMILY
<i>Cornus glabrata</i>	brown dogwood
CRASSULACEAE	STONECROP FAMILY
<i>Crassula connata</i>	pygmyweed
<i>Dudleya pulverulenta</i>	chalk dudleya
CUCURBITACEAE	GOURD FAMILY
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	manroot, wild-cucumber
DATISCEAE	DATISCA FAMILY
<i>Datisca glomerata</i>	durango root
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glandulosa</i>	manzanita
<i>Arctostaphylos glandulosa</i> ssp. <i>glandulosa</i>	Eastwood's manzanita
<i>Arctostaphylos glandulosa</i> ssp. <i>zacaensis</i>	Zaca Lake manzanita
<i>Arctostaphylos glauca</i>	big-berry manzanita
<i>Arctostaphylos pringlei</i> ssp. <i>drupacea</i>	pink-bract manzanita
<i>Arctostaphylos pungens</i>	point-leaf manzanita
EUPHORBIACEAE	SPURGE FAMILY
<i>Euphorbia</i> sp.*	euphorbia
FABACEAE	LEGUME FAMILY
<i>Astragalus douglasii</i> var. <i>parishii</i>	Parish's locoweed
<i>Lathyrus vestitus</i>	wild sweet pea
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	San Diego sweet pea
<i>Lotus argophyllus</i> var. <i>argophyllus</i>	silver-leaf lotus
<i>Lotus purshianus</i> var. <i>purshianus</i>	Spanish-clover
<i>Lotus scoparius</i> var. <i>brevialatus</i>	short-wing deerweed
<i>Lotus scoparius</i> var. <i>scoparius</i>	coastal deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lupinus albifrons</i> var. <i>albifrons</i>	silver bush lupine
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus concinnus</i>	bajada lupine
<i>Lupinus excubitus</i> var. <i>austromontanus</i>	grape soda lupine
<i>Lupinus hirsutissimus</i>	stinging lupine
<i>Lupinus sparsiflorus</i>	Coulter's lupine
<i>Medicago polymorpha</i> *	California bur-clover

Scientific Name	Common Name
<i>Melilotus indicus</i> *	Indian sweetclover
<i>Melilotus</i> sp.	sweetclover
<i>Thermopsis californica</i> var. <i>semota</i>	velvety false-lupine
<i>Trifolium</i> sp.	clover
<i>Trifolium albopurpureum</i> var. <i>albopurpureum</i>	rancheria clover
<i>Trifolium depauperatum</i>	clover
<i>Trifolium hirtum</i> *	rose clover
<i>Trifolium microcephalum</i>	maiden clover
<i>Trifolium variegatum</i>	white-tip clover
<i>Trifolium willdenovii</i>	Valley clover
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Vicia villosa</i> *	vetch
FAGACEAE	OAK FAMILY
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak
<i>Quercus agrifolia</i> var. <i>oxyadenia</i>	interior coast live oak
<i>Quercus berberidifolia</i>	scrub oak
<i>Quercus chrysolepis</i>	canyon live oak
<i>Quercus engelmannii</i>	Engelmann's oak
<i>Quercus kelloggii</i>	California black oak
GARRYACEAE	SILK TASSEL FAMILY
<i>Garrya flavescens</i>	ashy silk tassel
<i>Garrya veatchii</i>	silk tassel bush
GENTIANACEAE	GENTIAN FAMILY
<i>Swertia parryi</i>	deer's ears
GERANIACEAE	GERANIUM FAMILY
<i>Erodium cicutarium</i> *	red-stem filaree
<i>Geranium dissectum</i>	cut-leaf geranium
GROSSULARIACEAE	GOOSEBERRY FAMILY
<i>Ribes indecorum</i>	white-flower currant
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Emmenanthe penduliflora</i> var. <i>penduliflora</i>	whispering bells
<i>Eriodictyon trichocalyx</i> var. <i>lanatum</i>	hairy yerba santa
<i>Nemophila menziesii</i> var. <i>integrifolia</i>	small-flower baby blue eyes
<i>Nemophila menziesii</i> var. <i>menziesii</i>	Menzies's baby blue eyes
<i>Phacelia brachyloba</i>	short-lobe phacelia
<i>Phacelia cicutaria</i> var. <i>hispida</i>	caterpillar phacelia
<i>Phacelia curvipes</i>	Washoe phacelia
<i>Phacelia davidsonii</i>	Davidson's phacelia
<i>Phacelia distans</i>	wild-heliotrope
<i>Phacelia imbricata</i>	imbricate phacelia
<i>Phacelia imbricata</i> ssp. <i>patula</i>	imbricate phacelia
<i>Phacelia minor</i>	wild canterbury-bell
<i>Phacelia ramosissima</i>	branching phacelia
LAMIACEAE	MINT FAMILY
<i>Lamium amplexicaule</i> *	henbit
<i>Marrubium vulgare</i> *	horehound
<i>Mentha spicata</i> var. <i>spicata</i> *	spearmint
<i>Monardella linoides</i> ssp. <i>linoides</i>	narrow-leaf monardella
<i>Monardella macrantha</i> ssp. <i>macrantha</i>	scarlet monardella

Scientific Name	Common Name
<i>Monardella nana</i> ssp. <i>nana</i>	yellow monardella
<i>Rosmarinus officinalis</i> *	rosemary
<i>Salvia apiana</i>	white sage
<i>Salvia columbariae</i>	chia
<i>Scutellaria tuberosa</i>	Danny's skullcap
<i>Stachys ajugoides</i> var. <i>rigida</i>	rigid hedge-nettle
<i>Trichostema lanatum</i>	woolly bluecurls
<i>Trichostema parishii</i>	mountain bluecurls
LIMNANTHACEAE	MEADOWFOAM FAMILY
<i>Limnanthes gracilis</i> var. <i>parishii</i>	Parish's meadowfoam
LINACEAE	FLAX FAMILY
<i>Hesperolinon micranthum</i>	thread-stem dwarf flax
<i>Linum lewisii</i> var. <i>lewisii</i>	wild flax
LOASACEAE	LOASA FAMILY
<i>Mentzelia montana</i>	montane mentzelia
<i>Mentzelia veatchiana</i>	Veatch's stick-leaf
<i>Mentzelia</i> sp.	blazing star
LYTHRACEAE	LOOSESTRIFE FAMILY
<i>Lythrum californicum</i>	California loosestrife
<i>Lythrum hyssopifolia</i> *	grass poly
MALVACEAE	MALLOW FAMILY
<i>Malva parviflora</i> *	cheeseweed
<i>Sidalcea malviflora</i> ssp. <i>sparsifolia</i>	checker-bloom
NYCTAGINACEAE	FOUR O'CLOCK FAMILY
<i>Mirabilis multiflora</i> var. <i>pubescens</i>	Froebell's four o'clock
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Camissonia bistorta</i>	California sun cup
<i>Camissonia californica</i>	false-mustard
<i>Camissonia confusa</i>	San Bernardino sun cup
<i>Camissonia hirtella</i>	field sun cup
<i>Camissonia strigulosa</i>	sandysoil sun cup
<i>Clarkia delicata</i>	Campo clarkia
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four-spot clarkia
<i>Clarkia rhomboidea</i>	diamond clarkia
<i>Epilobium brachycarpum</i>	summer cotton weed
<i>Epilobium canum</i>	California fuchsia
<i>Epilobium cilatum</i> ssp. <i>ciliatum</i>	willow herb
<i>Epilobium densiflorum</i>	dense-flower boisduvalia
<i>Gayophytum oligospermum</i>	few-seed gayophytum
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja affinis</i>	coast paintbrush
<i>Castilleja applegatei</i> ssp. <i>martinii</i>	desert Indian paintbrush
<i>Castilleja foliolosa</i>	woolly Indian paintbrush
<i>Castilleja minor</i> ssp. <i>spiralis</i>	California thread-torch
<i>Castilleja</i> sp.	owl's clover
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	dark-tip bird's beak
<i>Orobanche bulbosa</i>	chaparral broom-rape
<i>Orobanche fasciculata</i>	clustered broom-rape

Scientific Name	Common Name
OXALIDACEAE	OXALIS FAMILY
<i>Oxalis</i> sp.	sorrel
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PAPAVERACEAE	POPPY FAMILY
<i>Dendromecon rigida</i>	bush poppy
<i>Platystemon californicus</i>	cream cups
PHRYMACEAE	HOPSEED FAMILY
<i>Mimulus</i> sp.	monkey flower
<i>Mimulus brevipes</i>	slope semiphore
<i>Mimulus floribundus</i>	showy monkey flower
<i>Mimulus palmeri</i>	Palmer's monkey flower
<i>Mimulus pilosus</i>	downy monkey flower
<i>Mimulus guttatus</i>	seep monkey flower
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum coulterianum</i>	Coulter's snapdragon
<i>Collinsia childii</i>	child's blue-eyed Mary
<i>Collinsia concolor</i>	Southern Chinese house
<i>Collinsia heterophylla</i>	Chinese houses
<i>Collinsia parviflora</i>	blue-eyed Mary
<i>Keckiella ternata</i> var. <i>ternata</i>	summer bush penstemon
<i>Penstemon centranthifolius</i>	scarlet bugler
<i>Penstemon heterophyllus</i>	penstemon
<i>Penstemon labrosus</i>	San Gabriel penstemon
<i>Penstemon rostriflorus</i>	Bridge's penstemon
<i>Penstemon spectabilis</i> ssp. <i>spectabilis</i>	showy penstemon
<i>Plantago lanceolata</i>	English plantain, rib-grass
<i>Plantago patagonica</i>	desert plantain
<i>Veronica peregrina</i> ssp. <i>xalapensis</i>	purslane speedwell
PLATANACEAE	SYCAMORE FAMILY
<i>Platanus racemosa</i>	western sycamore
POLEMONIACEAE	PHLOX FAMILY
<i>Allophyllum gilioides</i>	straggling false-gilia
<i>Allophyllum violaceum</i>	violet false-gilia
<i>Collomia grandiflora</i>	grand collomia
<i>Eriastrum densifolium</i>	woolly-star
<i>Eriastrum densifolium</i> ssp. <i>austromontanum</i>	montane woolly-star
<i>Eriastrum sapphirinum</i> ssp. <i>sapphirinum</i>	sapphire woolly-star
<i>Gilia angelensis</i>	grassland gilia
<i>Gilia capitata</i> ssp. <i>abrontanifolia</i>	ball gilia
<i>Gilia clivorum</i>	purple-spot gilia
<i>Gilia diegensis</i>	San Diego gilia
<i>Gilia</i> sp.	gilia
<i>Leptosiphon ciliatus</i>	whisker brush
<i>Leptosiphon floribundus</i> ssp. <i>floribundus</i>	many-flower linanthus
<i>Leptosiphon floribundus</i> ssp. <i>glaber</i>	summer snow
<i>Leptosiphon parviflorus</i>	coast baby-star
<i>Leptosiphon pygmaeus</i> ssp. <i>continentalis</i>	pygmy linanthus
<i>Linanthus dianthiflorus</i>	farinose ground-pink

Scientific Name	Common Name
<i>Linanthus orcuttii</i>	Laguna/Orcutt's linanthus
<i>Microsteris gracilis</i>	slender phlox
<i>Navarretia atractyloides</i>	holly-leaf skunkweed
<i>Navarretia intertexta</i> ssp. <i>propinqua</i>	Great Basin navarettia
<i>Phlox austromontana</i>	desert-mountain phlox
<i>Saltugilia caruifolia</i>	caraway-leaf gilia
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Chorizanthe fimbriata</i>	spineflower
<i>Eriogonum davidsonii</i>	Davidson's buckwheat
<i>Eriogonum elongatum</i> var. <i>elongatum</i>	tall buckwheat
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	inland California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	Mojave desert California buckwheat
<i>Eriogonum gracile</i> var. <i>gracile</i>	slender buckwheat
<i>Eriogonum parishii</i>	Parish buckwheat
<i>Eriogonum wrightii</i> var. <i>membranaceum</i>	foothill buckwheat
<i>Eriogonum molestum</i>	pineland buckwheat
<i>Eriogonum</i> sp.	annual buckwheat
<i>Polygonum arenastrum</i> *	common knotweed
<i>Pterostegia drymarioides</i>	granny's hair net
<i>Rumex crispus</i> *	curly dock
<i>Rumex salicifolius</i>	willow dock
<i>Rumex salicifolius</i> var. <i>salicifolius</i>	willow dock
<i>Sidothea trilobata</i>	three-lobed starry puncturebract
PORTULACACEAE	PURSLANE FAMILY
<i>Calandrinia ciliata</i>	red maids
<i>Calyptidium monandrum</i>	common calyptidium
<i>Claytonia exigua</i> ssp. <i>exigua</i>	serpentine montia
<i>Claytonia parviflora</i>	miner's-lettuce
<i>Claytonia parviflora</i> ssp. <i>parviflora</i>	Utah miner's-lettuce
<i>Claytonia perfoliata</i>	miner's lettuce
<i>Claytonia perfoliata</i> ssp. <i>mexicana</i>	Mexican miner's-lettuce
PRIMULACEAE	PRIMROSE FAMILY
<i>Anagallis arvensis</i> *	scarlet pimpernel
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Clematis pauciflora</i>	ropevine clematis
<i>Clematis</i> sp.	clematis
<i>Delphinium cardinale</i>	scarlet larkspur
<i>Delphinium parryi</i> ssp. <i>parryi</i>	Parry's larkspur
<i>Ranunculus aquatilis</i>	water buttercup
<i>Ranunculus californicus</i>	California buttercup
<i>Thalictrum fendleri</i> var. <i>fendleri</i>	Fendler's meadow-rue
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	smooth-leaf meadow-rue
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus greggii</i> var. <i>perplexans</i>	cup-leaf-lilac
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Ceanothus palmeri</i>	Palmer's-lilac
<i>Rhamnus ilicifolia</i>	holly-leaf redberry
<i>Rhamnus pilosa</i>	hairy-leaf redberry
<i>Rhamnus tomentella</i> ssp. <i>tomentella</i>	chaparral coffeeberry

Scientific Name	Common Name
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Adenostoma sparsifolium</i>	red shanks
<i>Amelanchier utahensis</i>	Utah service-berry
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	birch-leaf mountain-mahogany
<i>Fragaria vesca</i>	California strawberry
<i>Horkelia clevelandii</i>	Cleveland's horkelia
<i>Potentilla glandulosa</i> ssp. <i>glandulosa</i>	sticky cinquefoil
<i>Potentilla glandulosa</i> ssp. <i>reflexa</i>	Greene's cinquefoil
<i>Potentilla gracilis</i> var. <i>fastigiata</i>	Nuttall's cinquefoil
<i>Prunus</i> sp.	
<i>Prunus emarginata</i>	bitter cherry
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
<i>Prunus virginiana</i> var. <i>demissa</i>	western choke cherry
<i>Rosa californica</i>	California rose
<i>Rubus ursinus</i>	California blackberry
<i>Sanguisorba minor</i> ssp. <i>muricata</i>	garden burnet
RUBIACEAE	MADDER FAMILY
<i>Galium andrewsii</i> ssp. <i>andrewsii</i>	phlox-leaf bedstraw
<i>Galium angustifolium</i>	narrow-leaf bedstraw
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	narrow-leaf bedstraw
<i>Galium aparine</i>	goose grass
<i>Galium porrigens</i> var. <i>porrigens</i>	oval-leaf bedstraw
SALICACEAE	WILLOW FAMILY
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Salix laevigata</i>	red willow
<i>Salix lasiolepis</i>	arroyo willow
SAXIFRAGACEAE	SAXIFRAGE FAMILY
<i>Lithophragma affine</i>	woodland star
SOLANACEAE	NIGHTSHADE FAMILY
<i>Datura wrightii</i>	western jimson weed
<i>Nicotiana attenuata</i>	coyote tobacco
<i>Nicotiana quadrivalvis</i>	Indian tobacco
<i>Solanum</i> sp.	nightshade
<i>Solanum parishii</i>	Parish's nightshade
<i>Solanum xanti</i>	chaparral nightshade
URTICACEAE	NETTLE FAMILY
<i>Urtica dioica</i> ssp. <i>holosericea</i>	hoary nettle
VALERIANACEAE	VALERIAN FAMILY
<i>Plectritis ciliata</i> ssp. <i>insignis</i>	long-spur plectritis
VIOLACEAE	VIOLET FAMILY
<i>Viola purpurea</i> ssp. <i>purpurea</i>	mountain violet
<i>Viola purpurea</i>	violet
VISCACEAE	MISTLETOE FAMILY
<i>Arceuthobium campylopodum</i>	western dwarf mistletoe
<i>Phoradendron villosum</i>	oak mistletoe
ZYGOPHYLLACEAE	CALTROP FAMILY
<i>Tribulus terrestris</i> *	puncture vine
Note: * Indicates a Non-Native Species	

Appendix B6: Circuit 442 (Pine Valley and Corte Madera) Plant Species List

Scientific Name	Common Name
FERNS AND FERN ALLIES	
PTERIDACEAE	BRAKE FAMILY
<i>Cheilanthes clevelandii</i> var. <i>clevelandii</i>	Cleveland's lip fern
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's foot cliff-brake
GYMNOSPERMS	
CUPRESSACEAE	CYPRESS FAMILY
<i>Cupressus</i> sp.	cypress
PINACEAE	PINE FAMILY
<i>Pinus coulteri</i>	Coulter pine
<i>Pinus jeffreyi</i>	Jeffrey pine
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
ALLIACEAE	ONION FAMILY
<i>Allium haematochiton</i>	red-skin onion
CYPERACEAE	SEDGE FAMILY
<i>Carex</i> sp.	sedge
<i>Eleocharis macrostachya</i>	pale spike-rush
HYACINTHACEAE	HYACINTH FAMILY
<i>Chlorogalum parviflorum</i>	small-flower soap-plant
JUNCACEAE	RUSH FAMILY
<i>Juncus arcticus</i> var. <i>mexicanus</i>	Mexican rush
<i>Juncus bufonius</i>	toad rush
LILIACEAE	LILY FAMILY
<i>Calochortus albus</i>	white globe lily, fairy lantern
<i>Calochortus splendens</i>	splendid mariposa lily
MELANTHIACEAE	BUNCH FLOWER OR CAMAS FAMILY
<i>Zigadenus venenosus</i> var. <i>venenosus</i>	death camas
ORCHIDACEAE	ORCHID FAMILY
<i>Piperia</i> sp.	rein orchid
POACEAE	GRASS FAMILY
<i>Achnatherum</i> sp.	needlegrass
* <i>Avena barbata</i>	slender wild oat
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome
* <i>Bromus diandrus</i>	ripgut grass
* <i>Bromus hordeaceus</i>	soft chess
<i>Bromus japonicus</i>	Japanese brome
* <i>Bromus madritensis</i> ssp. <i>rubens</i>	foxtail chess
* <i>Bromus tectorum</i>	cheat grass
<i>Calamagrostis koelerioides</i>	San Diego reedgrass
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wildrye
* <i>Hordeum murinum</i>	barley
* <i>Lamarckia aurea</i>	golden-top
<i>Melica imperfecta</i>	coast range melic
<i>Muhlenbergia rigens</i>	deergrass
<i>Nassella cernua</i>	nodding needlegrass
<i>Poa pratensis</i> ssp. <i>pratensis</i> *	Kentucky bluegrass

Scientific Name	Common Name
<i>Poa secunda</i> ssp. <i>secunda</i>	one-sided bluegrass
<i>Vulpia myuros</i> *	rat-tail fescue
<i>Vulpia octoflora</i> var. <i>hirtella</i>	tufted fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
ANGIOSPERMS (EUDICOTS)	
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	blue elderberry
AMARANTHACEAE	AMARANTH FAMILY
<i>Chenopodium album</i> *	lamb's quarters
<i>Chenopodium californicum</i>	California goosefoot
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Rhus ovata</i>	sugar bush
<i>Rhus trilobata</i>	skunkbrush
<i>Toxicodendron diversilobum</i>	Western poison-oak
APIACEAE	CARROT FAMILY
<i>Conium maculatum</i> *	common poison hemlock
<i>Lomatium dasycarpum</i> ssp. <i>dasycarpum</i>	woolly-fruit lomatium
<i>Lomatium lucidum</i>	shiny lomatium
<i>Sanicula arguta</i>	sharp-tooth sanicle
<i>Sanicula crassicaulis</i>	pacific sanicle
<i>Sanicula tuberosa</i>	turkey Pea Sanicle
<i>Tauschia arguta</i>	southern tauschia
<i>Yabea microcarpa</i>	California hedge-parsley
ASTERACEAE	SUNFLOWER FAMILY
<i>Achillea millefolium</i>	yarrow, milfoil
<i>Acourtia microcephala</i>	sacapellote
<i>Agoseris grandiflora</i>	large-flower agoseris
<i>Agoseris heterophylla</i>	woodland agoseris
<i>Ambrosia psilostachya</i>	western ragweed
<i>Anisocoma aucalis</i>	scale-bud
<i>Artemisia douglasiana</i>	Douglas mugwort
<i>Artemisia dracunculus</i>	tarragon, dragon sagewort
<i>Artemisia tridentata</i> ssp. <i>tridentata</i>	big sagebrush
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Cirsium occidentale</i> var. <i>californicum</i>	California thistle
<i>Cirsium scariosum</i>	bird's-nest thistle
<i>Cnicus benedictus</i> *	blessed thistle
<i>Conyza canadensis</i>	horseweed
<i>Corethrogyne filaginifolia</i> var. <i>filaginifolia</i>	common sand-aster
<i>Ericameria linearifolia</i>	interior goldenbush
<i>Ericameria parishii</i> var. <i>parishii</i>	Parish's goldenbush
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	long-stem golden-yarrow
<i>Filago californica</i>	California filago
<i>Filago gallica</i> *	narrow-leaf filago
<i>Gnaphalium californicum</i>	California everlasting
<i>Pseudognaphalium microcephalum</i>	white everlasting
<i>Gnaphalium palustre</i>	lowland cudweed

Scientific Name	Common Name
<i>Gnaphalium</i> sp.	cudweed
<i>Gutierrezia sarothrae</i>	broom matchweed
<i>Hazardia squarrosa</i> var. <i>grindelioides</i>	southern sawtooth goldenbush
<i>Hedypnois cretica</i> *	crete hedypnois
<i>Helianthus gracilentus</i>	slender sunflower
<i>Hypochaeris glabra</i> *	smooth cat's ear
<i>Lactuca serriola</i> *	prickly lettuce
<i>Lasthenia gracilis</i>	common goldfields
<i>Madia gracilis</i>	slender madia
<i>Malacothrix clevelandii</i>	Cleveland's malacothrix
<i>Malacothrix</i> sp.	malacothrix
<i>Microseris douglasii</i> ssp. <i>platycarpha</i>	small-flower microseris
<i>Pentachaeta aurea</i>	golden daisy
<i>Rafinesquia californica</i>	California chicory
<i>Solidago californica</i>	California goldenrod
<i>Sonchus oleraceus</i> *	common sow-thistle
<i>Stephanomeria</i> sp.	wreath-plant
<i>Stylocline gnaphaloides</i>	everlasting nest-straw
<i>Symphyotrichum lanceolatum</i> ssp. <i>hesperium</i>	western aster
<i>Uropappus lindleyi</i>	silver puffs
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i> var. <i>intermedia</i>	rancher's fiddleneck
<i>Cryptantha</i> sp.	cryptantha
<i>Cryptantha intermedia</i>	Nievitans cryptantha
<i>Cryptantha lepida</i>	red-root cryptantha
<i>Cryptantha micromeres</i>	minute-flowered cryptantha
<i>Pectocarya</i> sp.	pectocarya
<i>Plagiobothrys</i> sp.	popcornflower
BRASSICACEAE	MUSTARD FAMILY
<i>Barbarea orthoceras</i>	erect-pod winter-cress
<i>Boechera perennans</i>	Nevada rock-cress
<i>Boechera sparsiflora</i>	rock-cress
<i>Caulanthus heterophyllus</i> var. <i>heterophyllus</i>	San Diego jewelflower
<i>Descurainia incana</i>	mountain tansy-mustard
<i>Descurainia pinnata</i>	tansy-mustard
<i>Erysimum capitatum</i> ssp. <i>capitatum</i>	western wallflower
<i>Guillenia lasiophylla</i>	California mustard
<i>Hirschfeldia incana</i> *	short-pod mustard
<i>Lepidium nitidum</i> var. <i>nitidum</i>	shining peppergrass
<i>Rorippa</i> sp.	water-cress
<i>Rorippa nasturtium-aquaticum</i>	water-cress
<i>Rorippa palustris</i>	pacific yellow cress
<i>Sisymbrium altissimum</i> *	tumble mustard
<i>Sisymbrium</i> sp.	mustard
<i>Thysanocarpus curvipes</i>	lacepod
CACTACEAE	CACTUS FAMILY
<i>Opuntia littoralis</i>	coastal prickly-pear
<i>Opuntia phaeacantha</i>	desert prickly-pear

Scientific Name	Common Name
CAMPANULACEAE	BELLFLOWER FAMILY
<i>Githopsis diffusa</i> ssp. <i>candida</i>	San Gabriel bluecup
<i>Heterocodon rariflorum</i>	heterocodon
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
<i>Lonicera subspicata</i> var. <i>denudata</i>	Johnston's honeysuckle
<i>Symphoricarpos mollis</i>	creeping snowberry
CARYOPHYLLACEAE	PINK FAMILY
<i>Cerastium glomeratum</i> *	mouse-ear chickweed
<i>Loeflingia squarrosa</i>	California loeflingia
<i>Sagina decumbens</i> ssp. <i>occidentalis</i>	western pearlwort
<i>Silene antirrhina</i>	snapdragon catchfly
<i>Silene laciniata</i> ssp. <i>laciniata</i>	southern pink
<i>Silene multinervia</i>	many-nerve catchfly
<i>Stellaria media</i> *	common chickweed
CISTACEAE	ROCK-ROSE FAMILY
<i>Cistus creticus</i> *	purple rock-rose
<i>Helianthemum scoparium</i>	peak rush-rose
CRASSULACEAE	STONECROP FAMILY
<i>Crassula connata</i>	pygmyweed
<i>Dudleya pulverulenta</i>	chalk dudleya
CUCURBITACEAE	GOURD FAMILY
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	manroot, wild-cucumber
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glandulosa</i> ssp. <i>adamsii</i>	Laguna Mountain manzanita
<i>Arctostaphylos glandulosa</i> ssp. <i>zacaensis</i>	Zaca Lake manzanita
<i>Arctostaphylos pungens</i>	point-leaf manzanita
EUPHORBIACEAE	SPURGE FAMILY
<i>Chamaesyce serpyllifolia</i>	thyme-leaf spurge
FABACEAE	LEGUME FAMILY
<i>Astragalus douglasii</i> var. <i>parishii</i>	Parish's locoweed
<i>Astragalus</i> sp.	astragalus
<i>Hoita orbicularis</i>	round-leaf psoralea
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	San Diego sweet pea
<i>Lotus</i> sp.	lotus
<i>Lotus argophyllus</i> var. <i>argophyllus</i>	silver-leaf lotus
<i>Lotus grandiflorus</i> var. <i>grandiflorus</i>	grand lotus
<i>Lotus hamatus</i>	grab lotus
<i>Lotus heermannii</i> var. <i>heermannii</i>	Heermann's lotus
<i>Lotus micranthus</i>	miniature lotus
<i>Lotus purshianus</i> var. <i>purshianus</i>	spanish-clover
<i>Lotus scoparius</i>	deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus hirsutissimus</i>	stinging lupine
<i>Lupinus sparsiflorus</i>	Coulter's lupine
<i>Lupinus succulentus</i>	arroyo lupine
<i>Medicago polymorpha</i> *	California burclover
<i>Medicago</i> sp.	clover
<i>Trifolium albopurpureum</i> var. <i>albopurpureum</i>	rancheria clover

Scientific Name	Common Name
<i>Trifolium ciliolatum</i>	tree clover
<i>Trifolium depauperatum</i>	clover
<i>Trifolium hirtum</i> *	rose clover
<i>Trifolium microcephalum</i>	maiden clover
<i>Trifolium gracilentum</i> var. <i>gracilentum</i>	pin-point clover
<i>Trifolium variegatum</i>	white-tip clover
<i>Trifolium willdenovii</i>	valley clover
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Vicia villosa</i> ssp. <i>varia</i>	hairy vetch
FAGACEAE	OAK FAMILY
<i>Quercus agrifolia</i>	coast live oak
<i>Quercus berberidifolia</i>	scrub oak
<i>Quercus chrysolepis</i>	canyon live oak
GARRYACEAE	SILK TASSEL FAMILY
<i>Garrya veatchii</i>	canyon silk tassel
GENTIANACEAE	GENTIAN FAMILY
<i>Centaurium venustum</i>	canchalagua
<i>Swertia parryi</i>	deer's ears
GERANIACEAE	GERANIUM FAMILY
<i>Erodium botrys</i> *	long-beak filaree
<i>Erodium cicutarium</i> *	red-stem filaree
GROSSULARIACEAE	GOOSEBERRY FAMILY
<i>Ribes canthariforme</i>	moreno currant
<i>Ribes indecorum</i>	white-flower currant
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Emmenanthe penduliflora</i> var. <i>penduliflora</i>	whispering bells
<i>Eriodictyon trichocalyx</i> var. <i>lanatum</i>	hairy yerba santa
<i>Nemophila menziesii</i>	baby blue eyes
<i>Phacelia curvipes</i>	Washoe phacelia
<i>Phacelia distans</i>	wild-heliotrope
<i>Phacelia imbricate</i> ssp. <i>patula</i>	rock phacelia
<i>Phacelia parryi</i>	Parry's phacelia
<i>Phacelia ramosissima</i>	branching phacelia
<i>Turricula parryi</i>	poodle-dog bush
LAMIACEAE	MINT FAMILY
<i>Lamium amplexicaule</i> *	henbit
<i>Marrubium vulgare</i> *	horehound
<i>Mentha spicata</i> var. <i>spicata</i> *	spearmint
<i>Salvia apiana</i>	white sage
<i>Salvia columbariae</i>	chia
<i>Salvia sonomensis</i>	creeping sage
<i>Scutellaria tuberosa</i>	Danny's skullcap
<i>Trichostema lanatum</i>	woolly bluecurls
<i>Trichostema parishii</i>	mountain bluecurls
LOASACEAE	LOASA FAMILY
<i>Mentzelia</i> sp.	blazing star
LYTHRACEAE	LOOSESTRIFE FAMILY
<i>Lythrum hyssopifolia</i> *	hyssop loosestrife

Scientific Name	Common Name
MALVACEAE	MALLOW FAMILY
<i>Malacothamnus densiflorus</i>	many-flower bushmallow
<i>Malacothamnus fasciculatus</i>	chaparral bushmallow
<i>Sidalcea malvaeflora</i> ssp. <i>sparsiflora</i>	checker-bloom
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Camissonia</i> sp.	sun cup
<i>Camissonia californica</i>	false-mustard
<i>Camissonia hirtella</i>	field sun cup
<i>Camissonia strigulosa</i>	sandysoil sun cup
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four spot clarkia
<i>Clarkia rhomboidea</i>	diamond clarkia
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja attenuata</i>	valley tassels
<i>Castilleja densiflora</i> ssp. <i>gracilis</i>	Parish's owl's-clover
<i>Castilleja exserta</i> ssp. <i>exserta</i>	purple owl's-clover
<i>Castilleja foliolosa</i>	woolly Indian paintbrush
<i>Castilleja subinclusa</i> ssp. <i>subinclusa</i>	long-leaf indian paintbrush
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	dark-tip bird's-beak
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PAPAVERACEAE	POPPY FAMILY
<i>Eschscholzia californica</i>	California poppy
<i>Papaver californicum</i>	fire poppy
PHRYMACEAE	HOPSEED FAMILY
<i>Mimulus</i> sp.	monkey-flower
<i>Mimulus aurantiacus</i>	coast monkey-flower
<i>Mimulus brevipes</i>	slope semiphore
<i>Mimulus fremontii</i> var. <i>fremontii</i>	Fremont's monkey flower
<i>Mimulus palmeri</i>	Palomar monkey flower
<i>Mimulus pilosus</i>	downy monkey flower
<i>Mimulus guttatus</i>	seep monkey flower
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum nuttallianum</i> ssp. <i>nuttallianum</i>	Nuttall's snapdragon
<i>Collinsia concolor</i>	southern Chinese houses
<i>Keckiella ternata</i> var. <i>ternata</i>	summer bush penstemon
<i>Penstemon centranthifolius</i>	scarlet bugler
<i>Penstemon heterophyllus</i> var. <i>australis</i>	chaparral penstemon
<i>Penstemon spectabilis</i> var. <i>spectabilis</i>	showy penstemon
<i>Veronica anagallis-aquatica</i> *	water speedwell
POLEMONIACEAE	PHLOX FAMILY
<i>Allophylum gilioides</i>	straggling false gilia
<i>Gilia angelensis</i>	grassland gilia
<i>Gilia capitata</i> ssp. <i>abrotanifolia</i>	ball gilia
<i>Gilia diegensis</i>	San Diego gilia
<i>Leptosiphon floribundus</i> ssp. <i>glaber</i>	summer snow
<i>Leptosiphon lemmonii</i>	Lemmon's linanthus
<i>Leptosiphon parviflorus</i>	coast baby-star
<i>Leptosiphon pygmaeus</i> ssp. <i>continentalis</i>	pygmy linanthus
<i>Linanthus liniflorus</i>	Great Basin linanthus

Scientific Name	Common Name
<i>Linanthus orcuttii</i>	Laguna/Orcutt'slinanthus
<i>Navarretia atractyloides</i>	holly-leaf navarretia
<i>Navarretia intertexta</i> ssp. <i>propinqua</i>	Great Basin navarretia
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Chorizanthe fimbriata</i> var. <i>laciniata</i>	laciniate spineflower
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	knotweed spineflower
<i>Eriogonum</i> sp.	annual buckwheat
<i>Eriogonum davidsonii</i>	Davidson's buckwheat
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	coastal California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	inland California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	mountain California buckwheat
<i>Eriogonum gracile</i>	slender buckwheat
<i>Eriogonum wrightii</i> var. <i>membranaceum</i>	foothill buckwheat
<i>Pterostegia drymarioides</i>	granny's hairnet
<i>Rumex salicifolius</i>	willow dock
<i>Rumex</i> sp.	dock
<i>Sidothea trilobata</i>	three-lobed starry puncturebract
PORTULACACEAE	PURSLANE FAMILY
<i>Calandrinia ciliata</i>	red maids
<i>Calyptidium monandrum</i>	common calyptidium
<i>Claytonia exigua</i> ssp. <i>exigua</i>	serpentine montia
<i>Claytonia parviflora</i> ssp. <i>parviflora</i>	Utah miner's-lettuce
<i>Claytonia parviflora</i> ssp. <i>viridis</i>	green miner's-lettuce
<i>Claytonia perfoliata</i>	miner's-lettuce
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Clematis</i> sp.	clematis
<i>Delphinium</i> sp.	larkspur
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	smooth-leaf meadow-rue
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus foliosus</i> var. <i>foliosus</i>	wavy-leaf-lilac
<i>Ceanothus greggii</i> var. <i>perplexans</i>	cup-leaf-lilac
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Rhamnus ilicifolia</i>	holly-leaf redberry
<i>Rhamnus tomentella</i> ssp. <i>tomentella</i>	chaparral coffeeberry
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Adenostoma sparsifolium</i>	red shank
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	birch-leaf mountain-mahogany
<i>Heteromeles arbutifolia</i>	toyon
<i>Potentilla glandulosa</i> ssp. <i>glandulosa</i>	sticky cinquefoil
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
<i>Rosa californica</i>	California rose
RUBIACEAE	MADDER FAMILY
<i>Galium andrewsii</i> ssp. <i>andrewsii</i>	phlox-leaf bedstraw
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	narrow-leaf bedstraw
<i>Galium aparine</i>	goose grass
SALICACEAE	WILLOW FAMILY
<i>Salix lasiolepis</i>	arroyo willow

Scientific Name	Common Name
SAXIFRAGACEAE	SAXIFRAGE FAMILY
<i>Lithophragma affine</i>	woodland star
SCROPHULARIACEAE	FIGWORT FAMILY
<i>Scrophularia californica</i> ssp. <i>floribunda</i>	California bee plant
<i>Verbascum thapsus</i> *	common mullein
SOLANACEAE	NIGHTSHADE FAMILY
<i>Nicotiana attenuata</i>	coyote tobacco
<i>Nicotiana quadrivalvis</i>	indian tobacco
<i>Solanum</i> sp.	nightshade
<i>Solanum xanti</i>	chaparral nightshade
URTICACEAE	NETTLE FAMILY
<i>Urtica dioica</i> ssp. <i>holosericea</i>	hoary nettle
VIOLACEAE	VIOLET FAMILY
<i>Viola pedunculata</i>	johnny jump-up
<i>Viola purpurea</i>	violet
Note: * Indicates Non-Native Species	

Appendix B7: Tie Line 625 (Viejas to Barrett Substation and Loveland Substation) Plant Species List

Scientific Name	Common Name
LYCOPHYTES	
SELAGINELLACEAE	SPIKE-MOSS FAMILY
<i>Selaginella bigelovii</i>	Bigelow's spike-moss
FERNS AND FERN ALLIES	
DRYOPTERIDACEAE	WOOD FERN FAMILY
<i>Dryopteris arguta</i>	coastal wood fern
PTERIDACEAE	BRAKE FAMILY
<i>Aspidotis californica</i>	California lace fern
<i>Cheilanthes clevelandii</i> var. <i>clevelandii</i>	Cleveland's lip fern
<i>Cheilanthes covillei</i>	Coville's lip fern
<i>Pellaea andromedifolia</i>	coffee fern
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's foot cliff-brake
<i>Pentagramma triangularis</i> ssp. <i>maxonii</i>	Maxon's silverback fern
<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	California goldback fern
<i>Pentagramma triangularis</i> ssp. <i>viscosa</i>	Sticky Silverback Fern
GYMNOSPERMS	
CUPRESSACEAE	CYPRESS FAMILY
<i>Juniperus</i> sp.*	juniper
EPHEDRACEAE	EPHEDRA FAMILY
<i>Ephedra californica</i>	California ephedra
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
<i>Yucca schidigera</i>	Mojave yucca
ALLIACEAE	ONION FAMILY
<i>Allium haematochiton</i>	red-skin onion
<i>Allium peninsulare</i> var. <i>peninsulare</i>	red-flower onion
CYPERACEAE	SEDGE FAMILY
<i>Carex spissa</i>	San Diego sedge
<i>Carex triquetra</i>	triangular-fruited sedge
<i>Cyperus</i> sp.	sedge
<i>Cyperus eragrostis</i>	tall cyperus
<i>Eleocharis</i>	spike-rush
<i>Schoenoplectus americanus</i>	Olney's bulrush
HYACINTHACEAE	HYACINTH FAMILY
<i>Chlorogalum parviflorum</i>	small-flower soap-plant/amole
<i>Chlorogalum</i> sp.	soap-plant
IRIDACEAE	IRIS FAMILY
<i>Sisyrinchium bellum</i>	blue-eyed grass
JUNCACEAE	RUSH FAMILY
<i>Juncus arcticus</i> var. <i>balticus</i>	wire rush
<i>Juncus arcticus</i> var. <i>mexicanus</i>	Mexican rush
<i>Juncus bufonius</i>	toad rush

Scientific Name	Common Name
<i>Juncus dubius</i>	mariposa rush
<i>Juncus</i> sp.	rush
<i>Juncus xiphioides</i>	iris-leaved rush
LILIACEAE	LILY FAMILY
<i>Calochortus</i> sp.	mariposa lily
<i>Calochortus albus</i>	white fairy lantern
<i>Calochortus dunnii</i>	Dunn's mariposa lily
<i>Calochortus splendens</i>	splendid mariposa lily
<i>Calochortus weedii</i> var. <i>weedii</i>	Weed's mariposa lily
ORCHIDACEAE	ORCHID FAMILY
<i>Piperia cooperi</i>	Cooper's rein orchid
<i>Piperia unalascensis</i>	slenderspire piperia
POACEAE	GRASS FAMILY
<i>Achnatherum coronatum</i>	giant needlegrass
<i>Achnatherum speciosum</i>	desert needlegrass
<i>Avena barbata</i> *	slender wild oat
<i>Brachypodium distachyon</i> *	false-brome
<i>Bromus carinatus</i>	California brome
<i>Bromus catharticus</i> *	rescue grass
<i>Bromus diandrus</i> *	ripgut grass
<i>Bromus hordeaceus</i> *	soft chess
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	foxtail chess
<i>Bromus tectorum</i> *	cheat grass
<i>Calamagrostis koelerioides</i>	fire reedgrass
<i>Distichlis spicata</i>	saltgrass
<i>Ehrharta calycina</i> *	perennial veldt grass
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wildrye
<i>Gastridium ventricosum</i> *	nit grass
<i>Hordeum murinum</i> *	foxtail barley
<i>Lamarckia aurea</i> *	goldentop
<i>Lolium multiflorum</i> *	Italian ryegrass
<i>Melica frutescens</i>	melic
<i>Melica imperfecta</i>	coast range melic
<i>Muhlenbergia microsperma</i>	littleseed muhly
<i>Nassella cernua</i>	nodding needlegrass
<i>Nassella lepida</i>	small-flowered needlegrass
<i>Nassella pulchra</i>	purple needlegrass
<i>Piptatherum miliaceum</i> *	smilo grass
<i>Poa annua</i> *	annual bluegrass
<i>Poa bulbosa</i> *	bulbous bluegrass
<i>Poa secunda</i> ssp. <i>secunda</i>	one-sided bluegrass
<i>Polypogon monspeliensis</i> *	annual beard grass
<i>Schismus barbatus</i> *	Mediterranean schismus
<i>Vulpia microstachys</i> var. <i>pauciflora</i>	Pacific fescue

Scientific Name	Common Name
<i>Vulpia myuros</i> var. <i>hirsuta</i> *	hairy rat-tail fescue
<i>Vulpia myuros</i> var. <i>myuros</i> *	rat-tail fescue
<i>Vulpia octoflora</i> var. <i>hirtella</i>	slender fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Bloomeria crocea</i>	common goldenstar
<i>Brodiaea terrestris</i> ssp. <i>kernensis</i>	dwarf brodiaea
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
<i>Dichelostemma capitatum</i> ssp. <i>pauciflorum</i>	few-flower blue dicks
TYPHACEAE	CATTAIL FAMILY
<i>Typha</i> sp.	cattail
<i>Typha latifolia</i>	broad-leaf cattail
ANGIOSPERMS (Eudicots)	
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	Mexican elderberry
AMARANTHACEAE	AMARANTH FAMILY
<i>Amaranthus albus</i> *	tumbling pigweed
<i>Chenopodium album</i> *	lamb's quarters
<i>Chenopodium ambrosioides</i> *	Mexican tea
<i>Chenopodium californicum</i>	California goosefoot
<i>Salsola tragus</i> *	Russian thistle
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Malosma laurina</i>	laurel sumac
<i>Rhus ovata</i>	sugar bush
<i>Rhus trilobata</i>	skunkbrush
<i>Toxicodendron diversilobum</i>	poison-oak
APIACEAE	CARROT FAMILY
<i>Apiastrum angustifolium</i>	mock-parsley
<i>Bowlesia incana</i>	American bowlesia
<i>Conium maculatum</i> *	poison hemlock
<i>Daucus pusillus</i>	rattlesnake weed
<i>Lomatium dasycarpum</i> ssp. <i>dasycarpum</i>	woolly-fruit lomatium
<i>Sanicula arguta</i>	sharp-tooth sanicle
<i>Sanicula bipinnatifida</i>	purple sanicle
<i>Sanicula crassicaulis</i>	Pacific sanicle
<i>Sanicula</i> sp.	sanicle
<i>Tauschia arguta</i>	southern tauschia
APOCYNACEAE	DOGBANE FAMILY
<i>Vinca major</i> *	greater periwinkle
ASTERACEAE	SUNFLOWER FAMILY
<i>Achillea millefolium</i>	yarrow, milfoil
<i>Acourtia microcephala</i>	sacapellote
<i>Agoseris grandiflora</i>	mountain dandelion
<i>Ambrosia psilostachya</i>	western ragweed
<i>Anthemis cotula</i> *	mayweed

Scientific Name	Common Name
<i>Artemisia californica</i>	California sagebrush
<i>Artemisia douglasiana</i>	Douglas mugwort
<i>Artemisia dracunculus</i>	tarragon
<i>Artemisia tridentata</i> ssp. <i>tridentata</i>	big sagebrush
<i>Baccharis salicifolia</i>	mule-fat, seep-willow
<i>Baccharis sarothroides</i>	broom baccharis
<i>Brickellia californica</i>	California brickellbush
<i>Carduus pycnocephalus</i> *	Italian thistle
<i>Centaurea melitensis</i> *	tocalote
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Chaenactis glabriuscula</i> var. <i>glabriuscula</i>	yellow pincushion
<i>Chaenactis glabriuscula</i> var. <i>lanosa</i>	woolly pincushion
<i>Cirsium occidentale</i>	thistle
<i>Cirsium occidentale</i> var. <i>californicum</i>	California thistle
<i>Cirsium scariosum</i>	bird's nest thistle
<i>Cirsium vulgare</i> *	bull thistle
<i>Cnicus benedictus</i> *	blessed thistle
<i>Conyza canadensis</i>	horseweed
<i>Conyza</i> sp.	horseweed
<i>Corethrogyne filaginifolia</i> var. <i>filaginifolia</i>	common sand-aster
<i>Cotula australis</i> *	Australian brass-buttons
<i>Deinandra fasciculata</i>	fascicled tarweed
<i>Deinandra</i> sp.	tarweed
<i>Dimorphotheca sinuata</i> *	blue-eye cape-marigold
<i>Encelia californica</i>	California bush sunflower
<i>Ericameria linearifolia</i>	interior goldenbush
<i>Ericameria palmeri</i>	Palmer's goldenbush
<i>Ericameria parishii</i> var. <i>parishii</i>	Parish's goldenbush
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	long-stem golden-yarrow
<i>Eriophyllum wallacei</i>	Wallace's woolly daisy
<i>Filago californica</i>	California fluffweed
<i>Filago gallica</i> *	fluffweed
<i>Geraea viscida</i>	sticky geraea
<i>Gnaphalium californicum</i>	California everlasting
<i>Gnaphalium luteo-album</i> *	white cudweed
<i>Gnaphalium palustre</i>	lowland cudweed
<i>Gnaphalium stramineum</i>	cotton-batting plant
<i>Gutierrezia californica</i>	California matchweed
<i>Gutierrezia sarothrae</i>	broom matchweed
<i>Hazardia squarrosa</i> var. <i>grindelioides</i>	southern sawtooth goldenbush
<i>Hedypnois cretica</i> *	crete hedypnois
<i>Helianthus annuus</i>	common sunflower
<i>Helianthus gracilentus</i>	slender sunflower

Scientific Name	Common Name
<i>Hemizonella minima</i>	small madia
<i>Heterotheca grandiflora</i>	telegraph weed
<i>Hypochaeris glabra</i> *	smooth cat's-ear
<i>Lactuca serriola</i> *	prickly lettuce
<i>Lagophylla ramosissima</i> ssp. <i>ramosissima</i>	common hareleaf
<i>Lasthenia gracilis</i>	common goldfields
<i>Layia glandulosa</i>	white tidy-tips
<i>Layia platyglossa</i>	tidy-tips
<i>Lessingia glandulifera</i> var. <i>glandulifera</i>	valley lessingia
<i>Machaeranthera juncea</i>	rush chaparral-star
<i>Madia elegans</i>	tarweed
<i>Madia exigua</i>	pygmy/threadstem madia
<i>Madia gracilis</i>	slender madia
<i>Madia</i> sp.	madia
<i>Malacothrix clevelandii</i>	Cleveland's malacothrix
<i>Malacothrix</i> sp.	malacothrix
<i>Matricaria matricarioides</i> *	common pineapple-weed
<i>Micropus californicus</i> var. <i>californicus</i>	slender cottonweed
<i>Osmadenia tenella</i>	southern rosinweed
<i>Packera ganderi</i>	Gander's/San Diego butterweed
<i>Porophyllum gracile</i>	odora
<i>Pseudognaphalium beneolens</i>	fragrant everlasting
<i>Pseudognaphalium biolettii</i>	bicolor cudweed
<i>Pseudognaphalium microcephalum</i>	white everlasting
<i>Psilocarphus tenellus</i> var. <i>tenellus</i>	slender woolly marbles
<i>Rafinesquia californica</i>	California chicory
<i>Senecio vulgaris</i> *	common groundsel
<i>Silybum marianum</i> *	milk thistle
<i>Solidago californica</i>	California goldenrod
<i>Sonchus asper</i> ssp. <i>asper</i> *	prickly sow-thistle
<i>Sonchus oleraceus</i> *	common sow-thistle
<i>Stephanomeria</i> sp.	wreathplant
<i>Stephanomeria virgata</i>	twiggy wreathplant
<i>Stylocline gnaphaloides</i>	everlasting nest-straw
<i>Tetradymia comosa</i>	hairy horsebrush
<i>Uropappus lindleyi</i>	silver puffs
<i>Viguiera laciniata</i>	San Diego sunflower
<i>Xanthium strumarium</i>	cocklebur
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i>	common fiddleneck
<i>Amsinckia menziesii</i> var. <i>intermedia</i>	rancher's fiddleneck
<i>Cryptantha</i> sp.	cryptantha
<i>Cryptantha intermedia</i>	common forget-me-not
<i>Cryptantha micrantha</i>	small-flower cryptantha

Scientific Name	Common Name
<i>Cryptantha micromeres</i>	minute-flower cryptantha
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	slender pectocarya
<i>Pectocarya pencillata</i>	sleeping combseed
<i>Pectocarya</i> sp.	pectocarya
<i>Plagiobothrys collinus</i> var. <i>californicus</i>	California popcorn flower
<i>Plagiobothrys collinus</i> var. <i>fulvescens</i>	rough popcornflower
<i>Plagiobothrys</i> sp.	popcornflower
BRASSICACEAE	MUSTARD FAMILY
<i>Athysanus pusillus</i>	dwarf athysanus
<i>Boechera pulchra</i> var. <i>gracilis</i>	pine rock-cress
<i>Boechera sparsiflora</i> var. <i>californica</i>	California rock-cress
<i>Brassica nigra</i> *	black mustard
<i>Caulanthus heterophyllus</i> var. <i>heterophyllus</i>	San Diego jewelflower
<i>Caulanthus simulans</i>	Payson's jewelflower
<i>Descurainia pinnata</i>	western tansy-mustard
<i>Draba cuneifolia</i>	desert whitlow
<i>Hirschfeldia incana</i> *	shortpod mustard
<i>Lepidium nitidum</i>	shining peppergrass
<i>Lepidium ruderae</i> *	roadside peppergrass
<i>Lepidium</i> sp.	peppergrass
<i>Lepidium virginicum</i> ssp. <i>virginicum</i>	Virginia peppergrass
<i>Raphanus sativus</i> *	radish
<i>Rorippa</i> sp.	water-cress
<i>Rorippa nasturtium-aquaticum</i>	water-cress
<i>Sisymbrium altissimum</i> *	tumble mustard
<i>Sisymbrium irio</i> *	London rocket
<i>Sisymbrium orientale</i> *	oriental mustard
<i>Thysanocarpus curvipes</i>	hairy fringe pod
CACTACEAE	CACTUS FAMILY
<i>Cylindropuntia californica</i> var. <i>parkeri</i>	valley cholla
<i>Opuntia oricola</i>	pancake prickly-pear
<i>Opuntia engelmannii</i> var. <i>engelmannii</i>	Engelmann's prickly-pear
<i>Opuntia phaeacantha</i>	desert prickly-pear
CAMPANULACEAE	BELLFLOWER FAMILY
<i>Heterocodon rariflorum</i>	heterocodon
<i>Triodanis biflora</i>	venus looking-glass
<i>Nemacladus ramosissimus</i>	Nuttall's threadplant
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
<i>Lonicera subspicata</i> var. <i>denudata</i>	Johnston's honeysuckle
<i>Symphoricarpos mollis</i>	creeping snowberry
<i>Symphoricarpos rotundifolius</i>	snowberry
CARYOPHYLLACEAE	PINK FAMILY
<i>Cerastium glomeratum</i> *	mouse-ear chickweed
<i>Loeflingia squarrosa</i>	California loeflingia

Scientific Name	Common Name
<i>Sagina decumbens</i> ssp. <i>occidentalis</i>	western pearlwort
<i>Silene antirrhina</i>	snapdragon catchfly
<i>Silene gallica</i> *	common catchfly
<i>Silene laciniata</i> ssp. <i>laciniata</i>	southern pink
<i>Silene multinervia</i>	many-nerved catchfly
<i>Spergularia bocconi</i> *	Boccone's sandspurrey
<i>Spergularia</i> sp.	sandspurrey
<i>Stellaria media</i> *	common chickweed
CISTACEAE	ROCK-ROSE FAMILY
<i>Cistus creticus</i> *	purple rock-rose
<i>Helianthemum scoparium</i>	peak rush-rose
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Calystegia macrostegia</i> ssp. <i>tenuifolia</i>	San Diego morning-glory
<i>Cuscuta californica</i> var. <i>californica</i>	chaparral dodder
<i>Cuscuta subinclusa</i>	canyon dodder
CRASSULACEAE	STONECROP FAMILY
<i>Crassula connata</i>	pygmy-weed
<i>Dudleya edulis</i>	ladies-fingers
<i>Dudleya pulverulenta</i>	chalk dudleya
CUCURBITACEAE	GOURD FAMILY
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	manroot, wild-cucumber
DATISCEAE	DATISCA FAMILY
<i>Datisca glomerata</i>	durango root
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glandulosa</i>	Eastwood manzanita
<i>Arctostaphylos glandulosa</i> ssp. <i>adamsii</i>	Laguna Mountain manzanita
<i>Arctostaphylos glandulosa</i> ssp. <i>zacaensis</i>	Zaca Lake manzanita
<i>Arctostaphylos glauca</i>	bigberry manzanita
<i>Arctostaphylos pungens</i>	point-leaf manzanita
<i>Xylococcus bicolor</i>	mission manzanita
EUPHORBIACEAE	SPURGE FAMILY
<i>Chamaesyce albomarginata</i>	white-margin sandmat
<i>Chamaesyce maculata</i> *	spotted spurge
<i>Chamaesyce</i> sp.	spurge
<i>Croton setigerus</i>	doveweed
<i>Euphorbia peplus</i> *	petty spurge
FABACEAE	LEGUME FAMILY
<i>Amorpha fruticosa</i>	western false indigo
<i>Astragalus douglasii</i> var. <i>parishii</i>	Parish's locoweed
<i>Astragalus gambelianus</i>	Gambell's dwarf locoweed
<i>Lathyrus latifolius</i> *	everlasting pea
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	San Diego sweet pea
<i>Lotus argophyllus</i> var. <i>argophyllus</i>	silver-leaf lotus
<i>Lotus grandiflorus</i> var. <i>grandiflorus</i>	grand lotus

Scientific Name	Common Name
<i>Lotus hamatus</i>	San Diego lotus
<i>Lotus humistratus</i>	foothill deervetch
<i>Lotus purshianus</i> var. <i>purshianus</i>	Spanish clover
<i>Lotus scoparius</i> var. <i>brevialatus</i>	short-wing deerweed
<i>Lotus scoparius</i> var. <i>scoparius</i>	coastal deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lotus wrangelianus</i>	calf lotus
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus concinnus</i>	bajada lupine
<i>Lupinus formosus</i>	summer lupine
<i>Lupinus hirsutissimus</i>	stinging lupine
<i>Lupinus microcarpus</i> var. <i>densiflorus</i>	chick lupine
<i>Lupinus</i> sp.	lupine
<i>Lupinus sparsiflorus</i>	Coulter's lupine
<i>Lupinus succulentus</i>	arroyo lupine
<i>Lupinus truncatus</i>	collar lupine
<i>Medicago polymorpha</i> *	bur clover
<i>Melilotus albus</i> *	white sweetclover
<i>Melilotus indicus</i> *	Indian sweetclover
<i>Trifolium albopurpureum</i>	Indian clover
<i>Trifolium ciliolatum</i>	tree clover
<i>Trifolium gracilentum</i> var. <i>gracilentum</i>	pin-point clover
<i>Trifolium hirtum</i> *	rose clover
<i>Trifolium microcephalum</i>	small-headed clover
<i>Trifolium variegatum</i>	white tip clover
<i>Trifolium willdenovii</i>	tomcat clover
<i>Vicia hassei</i>	slender vetch
<i>Vicia ludoviciana</i> var. <i>ludoviciana</i>	deer pea vetch
FAGACEAE	OAK FAMILY
<i>Quercus X acutidens</i>	Torrey's scrub oak
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak, encina
<i>Quercus berberidifolia</i>	scrub oak
<i>Quercus engelmannii</i>	Engelmann oak
<i>Quercus wislizenii</i>	interior live oak
GARRYACEAE	SILK TASSEL FAMILY
<i>Garrya veatchii</i>	silk tassel bush
GENTIANACEAE	GENTIAN FAMILY
<i>Centaurium venustum</i>	canchalagua
GERANIACEAE	GERANIUM FAMILY
<i>Erodium botrys</i> *	broad-lobe filaree
<i>Erodium brachycarpum</i> *	long-beak filaree
<i>Erodium cicutarium</i> *	red-stem filaree
GROSSULARIACEAE	GOOSEBERRY FAMILY
<i>Ribes indecorum</i>	white flowering currant

Scientific Name	Common Name
<i>Ribes quercetorum</i>	oak gooseberry
<i>Heliotropaceae</i>	Heliotrope Family
<i>Heliotropium curassavicum</i>	salt heliotrope
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Emmenanthe penduliflora</i>	whispering bells
<i>Eriodictyon crassifolium</i> var. <i>crassifolium</i>	felt-leaf yerba santa
<i>Eucrypta chrysanthemifolia</i>	common eucrypta
<i>Nemophila menziesii</i> var. <i>integrifolia</i>	small-flower baby blue eyes
<i>Nemophila menziesii</i> var. <i>menziesii</i>	Menzies's baby blue eyes
<i>Phacelia brachyloba</i>	short-lobed phacelia
<i>Phacelia cicutaria</i> var. <i>hispida</i>	caterpillar phacelia
<i>Phacelia distans</i>	wild heliotrope
<i>Phacelia imbricata</i>	imbricate phacelia
<i>Phacelia parryi</i>	Parry's phacelia
<i>Phacelia ramosissima</i> var. <i>latifolia</i>	branching phacelia
<i>Pholistoma membranaceum</i>	white fiesta flower
LAMIACEAE	MINT FAMILY
<i>Lamium amplexicaule</i> *	henbit
<i>Marrubium vulgare</i> *	horehound
<i>Monardella hypoleuca</i> ssp. <i>Lanata</i>	felt-leaf monardella
<i>Salvia apiana</i>	white sage
<i>Salvia clevelandii</i>	fragrant sage
<i>Salvia columbariae</i>	chia
<i>Salvia mellifera</i>	black sage
<i>Salvia X palmeri</i>	Palmer's Sage
<i>Scutellaria tuberosa</i>	Danny's skullcap
<i>Stachys ajugoides</i> var. <i>rigida</i>	rigid hedge-nettle
<i>Trichostema lanatum</i>	woolly bluecurls
<i>Trichostema lanceolatum</i>	vinegar weed
<i>Trichostema parishii</i>	Mountain bluecurls
LINACEAE	FLAX FAMILY
<i>Hesperolinon micranthum</i>	dwarf flax
LYTHRACEAE	LOOSESTRIFE FAMILY
<i>Lythrum hyssopifolia</i> *	hyssop loosestrife
MALVACEAE	MALLOW FAMILY
<i>Fremontodendron mexicanum</i>	Mexican flannelbush
<i>Malacothamnus densiflorus</i>	many-flowered mallow
<i>Malacothamnus fasciculatus</i>	mesa bushmallow
<i>Malva parviflora</i> *	cheeseweed
<i>Sidalcea malviflora</i> ssp. <i>sparsifolia</i>	checker-bloom
MYRTACEAE	MYRTLE FAMILY
<i>Eucalyptus</i> sp.*	gum tree
<i>Eucalyptus globulus</i> *	blue gum

Scientific Name	Common Name
NYCTAGINACEAE	FOUR O'CLOCK FAMILY
<i>Mirabilis laevis</i> var. <i>crassifolia</i>	coastal wishbone plant
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Camissonia bistorta</i>	California sun cup
<i>Camissonia californica</i>	California evening primrose
<i>Camissonia hirtella</i>	suncup
<i>Camissonia strigulosa</i>	field evening primrose
<i>Clarkia delicata</i>	Campo clarkia
<i>Clarkia epilobioides</i>	willow-herb clarkia
<i>Clarkia purpurea</i>	winecup clarkia
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four spot
<i>Clarkia similis</i>	canyon clarkia
<i>Epilobium canum</i>	California fuchsia
<i>Epilobium ciliatum</i>	California cottonweed
<i>Oenothera elata</i> ssp. <i>hookeri</i>	evening primrose
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja densiflora</i> ssp. <i>gracilis</i>	Parish's owl's-clover
<i>Castilleja exserta</i> ssp. <i>exserta</i>	purple owl's-clover
<i>Castilleja foliolosa</i>	woolly Indian paintbrush
<i>Castilleja</i> sp.	paintbrush
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	bird's-beak
<i>Orobanche bulbosa</i>	chaparral broom rape
<i>Pedicularis densiflora</i>	Indian warrior
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PAPAVERACEAE	POPPY FAMILY
<i>Dicentra chrysantha</i>	golden ear-drops
<i>Eschscholzia caespitosa</i>	tufted gold-poppy
<i>Eschscholzia californica</i>	California poppy
<i>Papaver californicum</i>	fire poppy
<i>Romneya trichocalyx</i>	hairy Matilija poppy
PHRYMACEAE	HOPSEED FAMILY
<i>Mimulus</i> sp.	monkey flower
<i>Mimulus aurantiacus</i> var. <i>pubescens</i> X var. <i>puniceus</i>	San Diego monkey flower
<i>Mimulus brevipes</i>	wide-throat monkey flower
<i>Mimulus cardinalis</i>	scarlet monkey flower
<i>Mimulus clevelandii</i>	Cleveland's bush monkey flower
<i>Mimulus congdonii</i>	Congdon's monkey-flower
<i>Mimulus floribundus</i>	many-flower monkey flower
<i>Mimulus fremontii</i>	Fremont monkey flower
<i>Mimulus palmeri</i>	Palmer's monkey flower
<i>Mimulus pilosus</i>	downy monkey flower
<i>Mimulus guttatus</i>	common monkey flower

Scientific Name	Common Name
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum coulterianum</i>	white snapdragon
<i>Antirrhinum kelloggii</i>	climbing snapdragon
<i>Antirrhinum nuttallianum</i> ssp. <i>nuttallianum</i>	Nuttall's snapdragon
<i>Collinsia heterophylla</i>	Chinese houses
<i>Keckiella antirrhinoides</i> var. <i>antirrhinoides</i>	yellow bush penstemon
<i>Keckiella cordifolia</i>	climbing bush penstemon
<i>Keckiella ternata</i> var. <i>ternata</i>	summer bush penstemon
<i>Linaria canadensis</i>	blue toadflax
<i>Penstemon heterophyllus</i> var. <i>australis</i>	chaparral penstemon
<i>Penstemon heterophyllus</i> var. <i>heterophyllus</i>	foothill penstemon
<i>Penstemon spectabilis</i> var. <i>spectabilis</i>	showy penstemon
<i>Plantago erecta</i>	dot-seed plantain
<i>Veronica anagallis-aquatica</i> *	water speedwell
PLATANACEAE	SYCAMORE FAMILY
<i>Platanus racemosa</i>	western sycamore
POLEMONIACEAE	PHLOX FAMILY
<i>Allophyllum gilioides</i>	false gilia
<i>Eriastrum filifolium</i>	thread-leaf woolly-star
<i>Eriastrum sapphirinum</i> ssp. <i>sapphirinum</i>	sapphire woolly-star
<i>Gilia angelensis</i>	grassland gilia
<i>Gilia capitata</i> ssp. <i>abrotanifolia</i>	ball gilia
<i>Gilia diegensis</i>	San Diego gilia
<i>Gilia</i> sp.	gilia
<i>Leptosiphon liniflorus</i>	Great Basin linanthus
<i>Leptosiphon parviflorus</i>	coast baby-star
<i>Leptosiphon pygmaeus</i> ssp. <i>continentalis</i>	pygmy linanthus
<i>Linanthus dianthiflorus</i>	ground-pink
<i>Navarretia atractyloides</i>	holly-leaved navarretia
<i>Navarretia hamata</i> ssp. <i>hamata</i>	hooked navarretia
<i>Navarretia hamata</i> ssp. <i>leptantha</i>	hooked pincushion plant
<i>Navarretia</i> sp.	navarretia
<i>Phlox austromontana</i>	desert-mountain phlox
<i>Saltugilia caruifolia</i>	caraway-leaf gilia
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Chorizanthe fimbriata</i> var. <i>fimbriata</i>	fringed spineflower
<i>Chorizanthe leptotheca</i>	Ramona spineflower
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	Knotweed spineflower
<i>Chorizanthe procumbens</i>	pala spineflower
<i>Chorizanthe staticoides</i>	turkish rugging
<i>Eriogonum fasciculatum</i>	California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	coastal California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	Mojave desert California buckwheat

Scientific Name	Common Name
<i>Eriogonum gracile</i>	slender woolly buckwheat
<i>Eriogonum thurberi</i>	Thurber's buckwheat
<i>Polygonum lapathifolium</i>	willow-weed
<i>Polygonum</i> sp.	
<i>Pterostegia drymarioides</i>	California thread-stem
<i>Rumex conglomeratus</i> *	dock
<i>Rumex crispus</i> *	curly dock
<i>Rumex</i> sp.	dock
<i>Sidothea trilobata</i>	Three-lobe starry puncturebract
PORTULACACEAE	PURSLANE FAMILY
<i>Calandrinia breweri</i>	brewer's calandrinia
<i>Calandrinia ciliata</i>	red maids
<i>Calyptidium monandrum</i>	common calyptidium
<i>Claytonia exigua</i> ssp. <i>exigua</i>	serpentine montia
<i>Claytonia parviflora</i>	miner's-lettuce
<i>Claytonia perfoliata</i> ssp. <i>mexicana</i>	Mexican miner's-lettuce
<i>Claytonia perfoliata</i> ssp. <i>perfoliata</i>	miner's-lettuce
<i>Claytonia rubra</i> ssp. <i>rubra</i>	red-stem springbeauty
PRIMULACEAE	PRIMROSE FAMILY
<i>Anagallis arvensis</i> *	scarlet pimpernel
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Clematis pauciflora</i>	ropevine
<i>Delphinium cardinale</i>	scarlet larkspur
<i>Delphinium parryi</i> ssp. <i>parryi</i>	Parry's larkspur
<i>Delphinium patens</i> ssp. <i>montanum</i>	zigzag larkspur
<i>Delphinium</i> sp.	larkspur
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	smooth-leaf meadow-rue
<i>Thalictrum fendleri</i>	meadow-rue
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus cuneatus</i>	buck brush
<i>Ceanothus greggii</i> var. <i>perplexans</i>	cup-leaf-lilac
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Ceanothus oliganthus</i>	hairy ceanothus
<i>Ceanothus tomentosus</i>	Ramona-Lilac
<i>Rhamnus crocea</i>	spiny redberry
<i>Rhamnus ilicifolia</i>	holly-leaf redberry
<i>Rhamnus tomentella</i>	hoary coffeeberry
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Adenostoma sparsifolium</i>	red shank
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	birch-Leaf mountain-mahogany
<i>Cercocarpus minutiflorus</i>	San Diego mountain-mahogany
<i>Chamaebatia australis</i>	southern mountain misery
<i>Fragaria vesca</i>	strawberry

Scientific Name	Common Name
<i>Heteromeles arbutifolia</i>	toyon
<i>Potentilla glandulosa</i>	cinquefoil
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
<i>Rubus</i> sp.	blackberry
<i>Rubus ursinus</i>	California blackberry
RUBIACEAE	MADDER FAMILY
<i>Galium andrewsii</i> ssp. <i>andrewsii</i>	moss/phlox-leaf bedstraw
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	narrow-leaf bedstraw
<i>Galium aparine</i>	goose grass
<i>Galium nuttallii</i> ssp. <i>nuttallii</i>	San Diego bedstraw
<i>Galium porrigens</i> var. <i>porrigens</i>	climbing/oval-leaf bedstraw
SALICACEAE	WILLOW FAMILY
<i>Populus fremontii</i>	Fremont cottonwood
<i>Salix exigua</i>	narrow-leaved willow
<i>Salix gooddingii</i>	black willow
<i>Salix laevigata</i>	red willow
<i>Salix lasiolepis</i>	arroyo willow
SAXIFRAGACEAE	SAXIFRAGE FAMILY
<i>Jepsonia parryi</i>	mesa saxifrage
<i>Lithophragma affine</i>	woodland star
SCROPHULARIACEAE	FIGWORT FAMILY
<i>Scrophularia californica</i> ssp. <i>floribunda</i>	California bee plant/figwort
SOLANACEAE	NIGHTSHADE FAMILY
<i>Datura wrightii</i>	jimson weed
<i>Nicotiana glauca</i> *	tree tobacco
<i>Solanum douglasii</i>	Douglas' nightshade
<i>Solanum nigrum</i> *	black nightshade
<i>Solanum parishii</i>	Parish's nightshade
<i>Solanum xanti</i>	chaparral nightshade
TAMARICACEAE	TAMARISK FAMILY
<i>Tamarix</i> sp. *	tamarisk
<i>Tamarix ramosissima</i> *	Mediterranean tamarisk
URTICACEAE	NETTLE FAMILY
<i>Urtica dioica</i> ssp. <i>holosericea</i>	giant creek nettle
VIOLACEAE	VIOLET FAMILY
<i>Viola lobata</i> ssp. <i>integrifolia</i>	pine violet
<i>Viola pedunculata</i>	johnny-jump-up
<i>Viola purpurea</i>	mountain violet
VISCACEAE	MISTLETOE FAMILY
<i>Phoradendron macrophyllum</i>	big-leaf mistletoe
VITACEAE	GRAPE FAMILY
<i>Vitis girdiana</i>	desert wild grape
Note: * Indicates Non-native Species	

Appendix B8: Tie Line 629 (Golden Acorn to Pine Valley) Plant Species List

Scientific Name	Common Name
LYCOPHYTES	
SELAGINELLACEAE	SPIKE-MOSS FAMILY
<i>Selaginella bigelovii</i>	Bigelow's spike-moss
FERNS AND FERN ALLIES	
PTERIDACEAE	BRAKE FAMILY
<i>Cheilanthes clevelandii</i> var. <i>clevelandii</i>	Cleveland's lip fern
<i>Cheilanthes covillei</i>	Coville's lip fern
<i>Pellaea andromedifolia</i>	coffee fern
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's-foot cliff-brake
<i>Pentagramma triangularis</i> ssp. <i>maxonii</i>	Maxon's silverback fern
<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	goldback fern
GYMNOSPERMS	
CUPRESSACEAE	CYPRESS FAMILY
<i>Calocedrus decurrens</i>	California incense cedar
EPHEDRACEAE	EPHEDRA FAMILY
<i>Ephedra californica</i>	California ephedra
PINACEAE	PINE FAMILY
<i>Pinus coulteri</i>	Coulter p[ine
<i>Pinus halepensis</i> *	Aleppo pine
<i>Pinus jeffreyi</i>	yellow pine
ANGIOSPERMS (MAGNOLIIDS-PIPERALES)	
SAURURACEAE	LIZARD'S-TAIL FAMILY
<i>Anemopsis californica</i>	yerba mansa
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
<i>Yucca schidigera</i>	Mojave yucca
ALLIACEAE	ONION FAMILY
<i>Allium amplexans</i>	paper onion
CYPERACEAE	SEDGE FAMILY
<i>Carex</i> sp.	sedge
<i>Carex triquetra</i>	triangular-fruit sedge
<i>Eleocharis</i> sp.	spike-rush
<i>Schoenoplectus californicus</i>	California bulrush
<i>Schoenoplectus</i> sp.	bulrush
JUNCACEAE	RUSH FAMILY
<i>Juncus arcticus</i> var. <i>mexicanus</i>	Mexican rush
<i>Juncus bufonius</i>	toad rush
<i>Juncus xiphioides</i>	iris-leaf rush
LILIACEAE	LILY FAMILY
<i>Calochortus weedii</i>	mariposa lily
<i>Calochortus splendens</i>	lilac mariposa lily
MELANTHIACEAE	BUNCH FLOWER
<i>Zigadenus fremontii</i>	Fremont's camas
ORCHIDACEAE	ORCHID FAMILY
<i>Epipactis gigantea</i>	stream orchid
POACEAE	GRASS FAMILY

Scientific Name	Common Name
<i>Achnatherum coronatum</i>	giant stipa
<i>Achnatherum speciosum</i>	desert needlegrass
<i>Agrostis</i> sp.	bentgrass
<i>Aristida purpurea</i> var. <i>purpurea</i>	purple three-awn
<i>Arundo donax</i> *	giant reed
<i>Avena barbata</i> *	slender wild oat
<i>Avena fatua</i> *	wild oat
<i>Avena sativa</i> *	cultivated oat
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome
<i>Bromus diandrus</i> *	ripgut grass
<i>Bromus hordeaceus</i> *	soft chess
<i>Bromus japonicus</i> *	Japanese brome
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	foxtail chess
<i>Bromus tectorum</i> *	cheat grass
<i>Cynodon dactylon</i> *	Bermuda grass
<i>Dactylis glomerata</i> *	orchard grass
<i>Distichlis spicata</i>	saltgrass
<i>Elymus elymoides</i> ssp. <i>brevifolius</i>	squirreltail
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wildrye
<i>Hordeum murinum</i> ssp. <i>glaucum</i> *	glaucous barley
<i>Lamarckia aurea</i> *	goldentop
<i>Leymus triticoides</i>	beardless wild-rye
<i>Lolium multiflorum</i> *	Italian ryegrass
<i>Melica imperfecta</i>	coast range melic
<i>Muhlenbergia rigens</i>	deergrass
<i>Nassella lepida</i>	foothill needlegrass
<i>Nassella pulchra</i>	purple needlegrass
<i>Nassella cernua</i>	nodding needlegrass
<i>Phalaris aquatica</i> *	Harding grass
<i>Piptatherum miliaceum</i> *	smilo grass
<i>Poa</i> sp.	bluegrass
<i>Poa annua</i> *	annual bluegrass
<i>Poa bulbosa</i> *	bulbous bluegrass
<i>Poa pratensis</i> ssp. <i>pratensis</i> *	Kentucky bluegrass
<i>Poa secunda</i> ssp. <i>secunda</i>	Malpais bluegrass
<i>Polypogon monspeliensis</i> *	annual beard grass
<i>Schismus barbatus</i> *	Mediterranean schismus
<i>Secale cereale</i> *	common rye
<i>Sorghum halepense</i> *	Johnson grass
<i>Triticum aestivum</i> *	cereal wheat
<i>Vulpia microstachys</i>	fescue
<i>Vulpia myuros</i> *	rat-tail fescue
<i>Vulpia octoflora</i>	fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Bloomeria crocea</i> ssp. <i>crocea</i>	common goldenstar
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
<i>Dichelostemma capitatum</i> ssp. <i>pauciflorum</i>	blue dicks
<i>Muilla maritima</i>	common muilla
TYPHACEAE	CATTAIL FAMILY

Scientific Name	Common Name
<i>Typha domingensis</i>	southern cattail
ANGIOSPERMS (EUDICOTS)	
ACERACEAE	MAPLE FAMILY
<i>Acer negundo</i> var. <i>californicum</i>	California box-elder
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	Mexican elderberry
AMARANTHACEAE	AMARANTH FAMILY
<i>Chenopodium album</i> *	lamb's quarters
<i>Chenopodium californicum</i>	California goosefoot
<i>Chenopodium murale</i> *	nettle-leaf goosefoot
<i>Chenopodium</i> sp.	goosefoot
<i>Salsola tragus</i> *	tumbleweed
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Malosma laurina</i>	laurel sumac
<i>Rhus ovata</i>	sugar bush
<i>Rhus trilobata</i>	skunkbrush
<i>Toxicodendron diversilobum</i>	western poison-oak
APIACEAE	CARROT FAMILY
<i>Apiastrum angustifolium</i>	mock-parsley
<i>Apium graveolens</i> *	common celery
<i>Berula erecta</i>	cut-leaf water-parsnip
<i>Bowlesia incana</i>	American bowlesia
<i>Conium maculatum</i> *	common poison hemlock
<i>Lomatium dasycarpum</i> ssp. <i>dasycarpum</i>	woolly-fruit lomatium
<i>Lomatium lucidum</i>	shiny lomatium
<i>Osmorhiza brachypoda</i>	California sweet-cicely
<i>Sanicula bipinnatifida</i>	purple sanicle
<i>Sanicula crassicaulis</i>	Pacific sanicle
<i>Sanicula tuberosa</i>	turkey pea Ssanicle
<i>Tauschia arguta</i>	southern tauschia
APOCYNACEAE	DOGBANE FAMILY
<i>Asclepias californica</i>	California milkweed
<i>Asclepias fascicularis</i>	narrow-leaf milkweed
<i>Vinca major</i> *	greater periwinkle
ASTERACEAE	SUNFLOWER FAMILY
<i>Achillea millefolium</i>	yarrow
<i>Acourtia microcephala</i>	sacapellote
<i>Agoseris grandiflora</i>	large-flower agoseris
<i>Agoseris heterophylla</i>	woodland agoseris
<i>Agoseris retrorsa</i>	spear-leaf agoseris
<i>Anisocoma acaulis</i>	scale-bud
<i>Ambrosia acanthicarpa</i>	annual bur-sage
<i>Ambrosia psilostachya</i>	western ragweed
<i>Artemisia californica</i>	coastal sagebrush
<i>Artemisia douglasiana</i>	mugwort
<i>Artemisia dracunculus</i>	tarragon
<i>Artemisia ludoviciana</i>	wormwood
<i>Artemisia ludoviciana</i> ssp. <i>ludoviciana</i>	silver wormwood
<i>Artemisia tridentata</i> ssp. <i>tridentata</i>	big sagebrush

Scientific Name	Common Name
<i>Baccharis salicifolia</i>	mule-fat
<i>Baccharis sarothroides</i>	broom baccharis
<i>Baccharis</i> sp.	baccharis
<i>Brickellia californica</i>	California brickellbush
<i>Carduus pycnocephalus</i> *	Italian thistle
<i>Centaurea melitensis</i> *	tocalote
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Chaenactis glabriuscula</i> var. <i>glabriuscula</i>	yellow pincushion
<i>Cirsium occidentale</i> var. <i>californicum</i>	California thistle
<i>Cirsium scariosum</i> var. <i>americanum</i>	bird's-nest thistle
<i>Cirsium vulgare</i> *	bull thistle
<i>Cnicus benedictus</i> *	blessed thistle
<i>Conyza canadensis</i>	horseweed
<i>Corethrogyne filaginifolia</i> var. <i>filaginifolia</i>	common sand-aster
<i>Dimorphotheca sinuata</i>	blue-eye cape-marigold
<i>Ericameria brachylepis</i>	boundary goldenbush
<i>Ericameria linearifolia</i>	interior goldenbush
<i>Ericameria parishii</i> var. <i>parishii</i>	Parish's goldenbush
<i>Ericameria pinifolia</i>	pine goldenbush
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	long-stem golden-yarrow
<i>Eriophyllum wallacei</i>	Wallace's woolly daisy
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Filago californica</i>	California filago
<i>Filago gallica</i> *	narrow-leaf filago
<i>Geraea viscida</i>	sticky geraea
<i>Gnaphalium californicum</i>	California everlasting
<i>Pseudognaphalium canescens</i>	everlasting cudweed
<i>Gnaphalium palustre</i>	lowland cudweed
<i>Gnaphalium stramineum</i>	cotton-batting plant
<i>Gutierrezia californica</i>	California matchweed
<i>Gutierrezia sarothrae</i>	broom matchweed
<i>Hazardia squarrosa</i> var. <i>grindelioides</i>	saw-toothed goldenbush
<i>Hedypnois cretica</i> *	crete hedypnois
<i>Helianthus annuus</i>	Western sunflower
<i>Helianthus gracilentus</i>	slender sunflower
<i>Heterotheca grandiflora</i>	telegraph weed
<i>Hulsea californica</i>	San Diego hulsea
<i>Hypochaeris glabra</i> *	smooth cat's ear
<i>Isocoma menziesii</i> var. <i>menziesii</i>	spreading goldenbush
<i>Lactuca serriola</i> *	prickly lettuce
<i>Lasthenia gracilis</i>	common goldfields
<i>Layia glandulosa</i>	white layia
<i>Lessingia glandulifera</i> var. <i>glandulifera</i>	valley lessingia
<i>Madia gracilis</i>	slender madia
<i>Malacothrix californica</i>	desert dandelion
<i>Malacothrix clevelandii</i>	Cleveland's malacothrix
<i>Matricaria matricarioides</i> *	common pineapple-weed
<i>Micropus californicus</i> var. <i>californicus</i>	slender cottonweed

Scientific Name	Common Name
<i>Pentachaeta aurea</i>	golden-ray pentachaeta
<i>Picris echioides</i> *	bristly ox-tongue
<i>Rafinesquia californica</i>	California chicory
<i>Senecio californicus</i>	California butterweed
<i>Senecio flaccidus</i> var. <i>monoensis</i>	Mono butterweed
<i>Senecio vulgaris</i> *	common groundsel
<i>Solidago californica</i>	California goldenrod
<i>Sonchus asper</i> ssp. <i>asper</i> *	prickly sow thistle
<i>Sonchus oleraceus</i> *	common sow thistle
<i>Stephanomeria</i> sp.	wreathplant
<i>Stephanomeria exigua</i> ssp. <i>deanei</i>	Deane's small wreath-plant
<i>Stylocline gnaphaloides</i>	everlasting nest-straw
<i>Taraxacum officinale</i> *	common dandelion
<i>Tetradymia comosa</i>	cotton-thorn
<i>Tragopogon dubius</i> *	goat's beard
<i>Uropappus lindleyi</i>	silver puffs
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i> var. <i>intermedia</i>	rancher's fiddleneck
<i>Amsinckia menziesii</i> var. <i>menziesii</i>	rigid fiddleneck
<i>Amsinckia tessellata</i>	devil's lettuce
<i>Cryptantha</i> sp.	cryptantha
<i>Cryptantha intermedia</i>	common forget-me-not
<i>Cryptantha lepida</i>	small-flowered cryptantha
<i>Cryptantha micromeres</i>	minute-flowered cryptantha
<i>Pectocarya</i> sp.	pectocarya
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	slender pectocarya
<i>Pectocarya pencillata</i>	sleeping combseed
<i>Pectocarya setosa</i>	bristly pectocarya
<i>Plagiobothrys</i> sp.	popcornflower
<i>Plagiobothrys arizonicus</i>	Arizona popcornflower
<i>Plagiobothrys collinus</i> var. <i>fulvescens</i>	rough popcornflower
BRASSICACEAE	MUSTARD FAMILY
<i>Arabis glabra</i> var. <i>glabra</i>	tower mustard
<i>Athysanus pusillus</i>	dwarf athysanus
<i>Barbarea orthoceras</i>	erect-pod winter-cress
<i>Boechera perennans</i>	Nevada rock-cress
<i>Boechera pulchra</i> var. <i>gracilis</i>	pine rock-cress
<i>Boechera sparsiflora</i> var. <i>californica</i>	California rock-cress
<i>Capsella bursa-pastoris</i> *	shepherd's purse
<i>Caulanthus heterophyllus</i> var. <i>heterophyllus</i>	San Diego jewelflower
<i>Caulanthus simulans</i>	Payson's jewelflower
<i>Descurainia pinnata</i>	western tansy-mustard
<i>Erysimum capitatum</i> ssp. <i>capitatum</i>	western wallflower
<i>Guillenia lasiophylla</i>	California mustard
<i>Hirschfeldia incana</i> *	shortpod mustard
<i>Lepidium nitidum</i> var. <i>nitidum</i> *	shinning peppergrass
<i>Raphanus sativus</i> *	radish
<i>Rorippa nasturtium-aquaticum</i>	water-cress
<i>Rorippa palustris</i> var. <i>occidentalis</i>	Pacific yellow cress

Scientific Name	Common Name
<i>Sisymbrium altissimum</i> *	tumble mustard
<i>Sisymbrium irio</i> *	London rocket
<i>Sisymbrium officinale</i> *	hedge mustard
<i>Sisymbrium orientale</i> *	hare's-ear cabbage
<i>Streptanthus campestris</i>	Southern jewelflower
<i>Thysanocarpus curvipes</i>	fringepod
CACTACEAE	CACTUS FAMILY
<i>Cylindropuntia californica</i> var. <i>parkeri</i>	valley cholla
<i>Opuntia littoralis</i>	coastal prickly-pear
<i>Opuntia phaeacantha</i>	desert prickly-pear
CAMPANULACEAE	BELLFLOWER FAMILY
<i>Githopsis diffusa</i> ssp. <i>diffusa</i>	Southern bluecup
<i>Githopsis specularioides</i>	common bluecup
<i>Nemacladus</i> sp.	threadplant
<i>Nemacladus longiflorus</i> var. <i>longiflorus</i>	long-flower threadplant
<i>Silene antirrhina</i>	snapdragon catchfly
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
<i>Lonicera subspicata</i> var. <i>denudata</i>	Johnston's honeysuckle
<i>Symphoricarpos mollis</i>	creeping snowberry
<i>Symphoricarpos rotundifolius</i>	snowberry
CARYOPHYLLACEAE	PINK FAMILY
<i>Cerastium glomeratum</i> *	mouse-ear chickweed
<i>Silene gallica</i> *	common catchfly
<i>Silene laciniata</i> ssp. <i>major</i>	fringed Indian pink
<i>Stellaria media</i> *	common chickweed
CISTACEAE	ROCK-ROSE FAMILY
<i>Cistus creticus</i> *	purple rock rose
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Calystegia</i> sp.	bindweed
<i>Calystegia macrostegia</i>	western bindweed
<i>Convolvulus arvensis</i> *	bindweed
<i>Cuscuta californica</i> var. <i>californica</i>	chaparral dodder
CRASSULACEAE	STONECROP FAMILY
<i>Crassula connata</i>	pygmy-weed
<i>Dudleya edulis</i>	ladies-fingers
<i>Dudleya pulverulenta</i>	chalk dudleya
CUCURBITACEAE	GOURD FAMILY
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	wild-cucumber
DATISCEAE	DATISCA FAMILY
<i>Datisca glomerata</i>	durango root
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glandulosa</i> ssp. <i>zacaensis</i>	Zaca Lake manzanita
<i>Arctostaphylos glauca</i>	big-berry manzanita
<i>Arctostaphylos pungens</i>	point-leaf manzanita
EQUISETACEAE	EQUISETACEAE FAMILY
<i>Equisetum</i> sp.	puzzlegrass
EUPHORBIACEAE	SPURGE FAMILY
<i>Chamaesyce</i> sp.	spurge
<i>Croton setigerus</i>	doveweed

Scientific Name	Common Name
FABACEAE	LEGUME FAMILY
<i>Astragalus didymocarpus</i> var. <i>obispoensis</i>	large-flower dwarf locoweed
<i>Astragalus douglasii</i> var. <i>perstrictus</i>	Jacumba milkvetch
<i>Astragalus gambelianus</i>	Gambell's dwarf locoweed
<i>Hoita orbicularis</i>	round-leaved psoralea
<i>Lathyrus splendens</i>	Campo pea
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	San Diego sweet pea
<i>Lotus argophyllus</i> var. <i>argophyllus</i>	silver-leaf lotus
<i>Lotus hamatus</i>	grab lotus
<i>Lotus oblongifolius</i> var. <i>oblongifolius</i>	stream lotus
<i>Lotus purshianus</i> var. <i>purshianus</i>	Spanish-clover
<i>Lotus scoparius</i> var. <i>brevialatus</i>	short-wing deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lupinus albifrons</i> var. <i>albifrons</i>	silver bush lupine
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus concinnus</i>	bajada lupine
<i>Lupinus excubitus</i> var. <i>austromontanus</i>	grape soda lupine
<i>Lupinus hirsutissimus</i>	stinging lupine
<i>Lotus scoparius</i> var. <i>brevialatus</i>	Douglas's locoweed
<i>Lupinus sparsiflorus</i>	Coulter's lupine
<i>Lupinus succulentus</i>	arroyo lupine
<i>Lupinus truncatus</i>	collar lupine
<i>Medicago polymorpha</i> *	bur clover
<i>Melilotus indica</i> *	Indian sweetclover
<i>Robinia pseudoacacia</i>	black locust
<i>Trifolium albopurpureum</i> var. <i>albopurpureum</i>	Rancheria clover
<i>Trifolium ciliolatum</i>	tree clover
<i>Trifolium depauperatum</i> var. <i>truncatum</i>	dwarf sack clover
<i>Trifolium hirtum</i> *	rose clover
<i>Trifolium microcephalum</i>	maiden clover
<i>Trifolium willdenovii</i>	valley clover
<i>Vicia</i> sp.	vetch
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Vicia ludoviciana</i> var. <i>ludoviciana</i>	deer pea vetch
<i>Vicia villosa</i> *	vetch
FAGACEAE	OAK FAMILY
<i>Quercus X acutidens</i>	Torrey's scrub oak
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak
<i>Quercus agrifolia</i> var. <i>oxyadenia</i>	interior coast live oak
<i>Quercus berberidifolia</i>	scrub oak
<i>Quercus cornelius-mulleri</i>	desert scrub oak
<i>Quercus engelmannii</i>	Engelmann's oak
GARRYACEAE	SILK TASSEL FAMILY
<i>Garrya flavescens</i>	ashy silk tassel
<i>Garrya veatchii</i>	canyon silk tassel
GENTIANACEAE	GENTIAN FAMILY
<i>Swertia parryi</i>	deer's ears
GERANIACEAE	GERANIUM FAMILY
<i>Erodium cicutarium</i> *	red-stem filaree

Scientific Name	Common Name
GROSSULARIACEAE	GOOSEBERRY FAMILY
<i>Ribes indecorum</i>	white-flower currant
<i>Ribes quercetorum</i>	oak gooseberry
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Emmenanthe penduliflora</i> var. <i>penduliflora</i>	whispering bells
<i>Eriodictyon trichocalyx</i> var. <i>lanatum</i>	hairy yerba santa
<i>Eucrypta chrysanthemifolia</i> var. <i>chrysanthemifolia</i>	common eucrypta
<i>Nemophila menziesii</i> var. <i>integrifolia</i>	small-flower baby blue eyes
<i>Phacelia</i> sp.	phacelia
<i>Phacelia brachyloba</i>	short-lobe phacelia
<i>Phacelia cicutaria</i> var. <i>hispida</i>	caterpillar phacelia
<i>Phacelia distans</i>	wild-heliotrope
<i>Phacelia imbricata</i> ssp. <i>patula</i>	Ive's phacelia
<i>Phacelia parryi</i>	Parry's phacelia
<i>Phacelia ramosissima</i> var. <i>latifolia</i>	branching phacelia
LAMIACEAE	MINT FAMILY
<i>Lamium amplexicaule</i> *	henbit
<i>Marrubium vulgare</i> *	horehound
<i>Mentha spicata</i> var. <i>spicata</i> *	spearmint
<i>Salvia apiana</i>	white sage
<i>Salvia columbariae</i>	chia
<i>Scutellaria tuberosa</i>	Danny's skullcap
<i>Stachys ajugoides</i> var. <i>rigida</i>	rigid hedge-nettle
<i>Trichostema parishii</i>	mountain bluecurls
LIMNANTHACEAE	MEADOWFOAM FAMILY
<i>Limnathes gracilis</i> ssp. <i>parishii</i>	parish's meadowfoam
LINACEAE	FLAX FAMILY
<i>Hesperolinon micranthum</i>	dwarf flax
LOASACEAE	LOASA FAMILY
<i>Mentzelia</i> sp.	stick-leaf
<i>Mentzelia affinis</i>	hydra stick-leaf
MALVACEAE	MALLOW FAMILY
<i>Malva parviflora</i> *	cheeseweed
<i>Sidalcea malviflora</i> ssp. <i>sparsiflora</i>	checker-bloom
NYCTAGINACEAE	FOUR O'CLOCK FAMILY
<i>Mirabilis laevis</i> var. <i>crassifolia</i>	coastal wishbone bush
<i>Mirabilis laevis</i>	desert wishbone bush
OLEACEAE	OLIVE FAMILY
<i>Fraxinus velutina</i>	velvet ash
<i>Ligustrum</i> sp.*	privet
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Camissonia</i> sp.	camissonia
<i>Camissonia bistorta</i>	California sun cup
<i>Camissonia californica</i>	false-mustard
<i>Camissonia confusa</i>	San Bernardino sun cup
<i>Camissonia hirtella</i>	field sun cup
<i>Camissonia strigulosa</i>	sandysoil sun cup
<i>Clarkia epilobioides</i>	canyon godetia
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four-spot clarkia

Scientific Name	Common Name
<i>Clarkia rhomboidea</i>	diamond clarkia
<i>Clarkia similis</i>	canyon clarkia
<i>Epilobium</i> sp.	fireweed
<i>Epilobium canum</i>	California fuchsia
<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	willow herb
<i>Oenothera</i> sp.	evening-primrose
<i>Oenothera elata</i> ssp. <i>hirsutissima</i>	great marsh evening-primrose
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja applegatei</i> ssp. <i>martinii</i>	desert indian paintbrush
<i>Castilleja exserta</i> ssp. <i>Exserta</i>	purple owl's-clover
<i>Castilleja foliolosa</i>	woolly Indian paintbrush
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	dark-tip bird's beak
<i>Castilleja subinclusa</i> ssp. <i>subinclusa</i>	long-leaf indian paintbrush
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PAPAVERACEAE	POPPY FAMILY
<i>Dendromecon rigida</i>	bush poppy
<i>Eschscholzia californica</i>	California poppy
<i>Platystemon californicus</i>	cream cups
PHRYMACEAE	HOPSEED FAMILY
<i>Mimulus aurantiacus</i>	monkey flower
<i>Mimulus brevipes</i>	slope semiphore
<i>Mimulus clevelandii</i>	Cleveland's bush monkey flower
<i>Mimulus fremontii</i> var. <i>fremontii</i>	Fremont monkey flower
<i>Mimulus guttatus</i>	seep monkey flower
<i>Mimulus palmeri</i>	Palomar monkey flower
<i>Mimulus pilosus</i>	downy monkey flower
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum coulterianum</i>	Coulter's snapdragon
<i>Antirrhinum kelloggii</i>	climbing snapdragon
<i>Antirrhinum nuttallianum</i> ssp. <i>nuttallianum</i>	Nuttall's snapdragon
<i>Collinsia concolor</i>	southern Chinese houses
<i>Collinsia heterophylla</i>	Chinese houses
<i>Keckiella antirrhinoides</i> var. <i>antirrhinoides</i>	yellow bush penstemon
<i>Keckiella cordifolia</i>	climbing bush penstemon
<i>Keckiella ternata</i> var. <i>ternata</i>	summer bush penstemon
<i>Plantago ovata</i>	woolly plantain
<i>Plantago</i> sp.	plantain
<i>Penstemon centranthifolius</i>	scarlet bugler
<i>Penstemon clevelandii</i> var. <i>clevelandii</i>	Cleveland's beardtongue
<i>Penstemon heterophyllus</i> var. <i>australis</i>	chapparral penstemon
<i>Penstemon spectabilis</i> var. <i>spectabilis</i>	showy penstemon
<i>Plantago lanceolata</i>	English plantain
<i>Plantago major</i>	common plantain
<i>Plantago patagonica</i>	desert plantain
<i>Veronica anagallis-aquatica</i> *	water speedwell
PLATANACEAE	SYCAMORE FAMILY
<i>Platanus racemosa</i>	Western sycamore
<i>Bromus madritensis</i> ssp. <i>rubens</i>	red brome

Scientific Name	Common Name
POLEMONIACEAE	PHLOX FAMILY
<i>Allophyllum gilioides</i>	straggling false-gilia
<i>Collomia grandiflora</i>	grand collomia
<i>Eriastrum densifolium</i> ssp. <i>austromontanum</i>	montane woolly-star
<i>Eriastrum densifolium</i> ssp. <i>elongatum</i>	chaparral woolly-star
<i>Eriastrum sapphirinum</i> ssp. <i>dasyanthum</i>	many-flower wolley-star
<i>Eriastrum sapphirinum</i> ssp. <i>sapphirinum</i>	sapphire woolly-star
<i>Gilia</i> sp.	gilia
<i>Gilia angelensis</i>	angel gilia
<i>Gilia capitata</i> ssp. <i>abrotanifolia</i>	ball gilia
<i>Gilia diegensis</i>	San Diego gilia
<i>Leptosiphon floribundus</i> ssp. <i>glaber</i>	summer snow
<i>Leptosiphon lemmonii</i>	Lemmon's linanthus
<i>Leptosiphon parviflorus</i>	coast baby-star
<i>Leptosiphon pygmaeus</i> ssp. <i>continentalis</i>	pygmy linanthus
<i>Linanthus</i> sp.	linanthus
<i>Linanthus bellus</i>	desert beauty
<i>Linanthus dianthiflorus</i>	ground-pink
<i>Linanthus dichotomus</i>	evening snow
<i>Microsteris gracilis</i> var. <i>gracilis</i>	slender phlox
<i>Navarretia</i> sp.	navarretia
<i>Navarretia hamata</i> ssp. <i>Hamata</i>	hooked navarretia
<i>Saltugilia australis</i>	Southern gilia
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Chorizanthe fimbriata</i>	spineflower
<i>Chorizanthe leptotheca</i>	Ramona spineflower
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	knotweed spineflower
<i>Chorizanthe procumbens</i>	pala spineflower
<i>Eriogonum</i> sp.	buckwheat
<i>Eriogonum davidsonii</i>	Davidson's buckwheat
<i>Eriogonum elongatum</i>	tall buckwheat
<i>Eriogonum elongatum</i> var. <i>elongatum</i>	tall buckwheat
<i>Eriogonum fasciculatum</i>	California buckwheat
<i>Eriogonum gracile</i>	slender buckwheat
<i>Eriogonum thurberi</i>	Thurber's buckwheat
<i>Eriogonum wrightii</i> var. <i>membranaceum</i>	foothill buckwheat
<i>Lastarriaea coriacea</i>	lastarriaea
<i>Polygonum arenastrum</i> *	common knotweed
<i>Polygonum lapathifolium</i>	willow weed
<i>Pterostegia drymarioides</i>	granny's hairnet
<i>Rumex crispus</i> *	curly dock
<i>Rumex salicifolius</i>	willow dock
<i>Sidotheca trilobata</i>	three-lobed starry puncturebract
PORTULACACEAE	PURSLANE FAMILY
<i>Calandrinia ciliata</i>	red maids
<i>Calyptridium monandrum</i>	common calyptridium
<i>Claytonia parviflora</i> ssp. <i>parviflora</i>	Utah miner's-lettuce
<i>Claytonia perfoliata</i>	miner's lettuce
PRIMULACEAE	PRIMROSE FAMILY

Scientific Name	Common Name
<i>Anagallis arvensis</i> *	scarlet pimpernel
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Clematis lasiantha</i>	pipestems
<i>Clematis pauciflora</i>	ropevine
<i>Delphinium</i> sp.	larkspur
<i>Delphinium cardinale</i>	scarlet larkspur
<i>Delphinium parryi</i> ssp. <i>parryi</i>	Parry's larkspur
<i>Delphinium patens</i> ssp. <i>hepaticodeum</i>	liver-leaf larkspur
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	smooth-leaf meadow-rue
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus cuneatus</i> var. <i>cuneatus</i>	buck brush
<i>Ceanothus greggii</i> var. <i>perplexans</i>	cup-leaf-lilac
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Ceanothus palmeri</i>	Palmer ceanothus
<i>Rhamnus crocea</i>	spiny redberry
<i>Rhamnus ilicifolia</i>	holly-leaf redberry
<i>Rhamnus tomentella</i> ssp. <i>tomentella</i>	hoary coffeeberry
<i>Ziziphus parryi</i> var. <i>parryi</i>	lotebush
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Adenostoma sparsifolium</i>	red shanks
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	birch-leaf mountain-mahogany
<i>Heteromeles arbutifolia</i>	toyon
<i>Malus</i> sp.*	apple
<i>Potentilla glandulosa</i> ssp. <i>glandulosa</i>	Greene's cinquefoil
<i>Potentilla glandulosa</i> ssp. <i>reflexa</i>	sticky cinquefoil
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
<i>Prunus virginiana</i> var. <i>demissa</i>	western choke cherry
<i>Rosa californica</i>	California rose
RUBIACEAE	MADDER FAMILY
<i>Galium andrewsii</i> ssp. <i>andrewsii</i>	phlox-leaf bedstraw
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	narrow-leaf bedstraw
<i>Galium aparine</i>	goose grass
<i>Galium nuttallii</i> ssp. <i>nuttallii</i>	San Diego bedstew
SALICACEAE	WILLOW FAMILY
<i>Populus fremontii</i> ssp. <i>fremontii</i>	Fremont cottonwood
<i>Populus nigra</i> *	Lombardy poplar
<i>Salix gooddingii</i>	Goodding's black willow
<i>Salix laevigata</i>	red willow
<i>Salix lasiolepis</i>	arroyo willow
SCROPHULARIACEAE	FIGWORT FAMILY
<i>Mimulus congdonii</i>	congdon's monkeyflower
<i>Scrophularia californica</i> ssp. <i>floribunda</i>	California figwort
<i>Verbascum</i> ?ohnny?*	common mullein
SOLANACEAE	NIGHTSHADE FAMILY
<i>Datura wrightii</i>	western jimson weed
<i>Nicotiana attenuata</i>	coyote tobacco
<i>Solanum</i> sp.	nightshade
<i>Solanum xanti</i>	chaparral nightshade

Scientific Name	Common Name
TAMARICACEAE	TAMARISK FAMILY
<i>Tamarix ramosissima</i> *	Mediterranean tamarisk
URTICACEAE	NETTLE FAMILY
<i>Hesperocnide tenella</i>	western nettle
<i>Urtica dioica</i> ssp. <i>holosericea</i>	giant creek nettle
<i>Urtica urens</i> *	dwarf nettle
VALERIANACEAE	VALERIAN FAMILY
<i>Plectritis ciliosa</i> ssp. <i>insignis</i>	long-spur plectritis
VERBENACEAE	VERVAIN FAMILY
<i>Verbena bracteata</i>	prostrate vervain
VIOLACEAE	VIOLET FAMILY
<i>Viola pedunculata</i>	Johnny-jump-up
VISCACEAE	MISTLETOE FAMILY
<i>Phoradendron californicum</i>	desert mistletoe
<i>Phoradendron macrophyllum</i>	big leaf mistletoe
<i>Phoradendron villosum</i>	oak mistletoe

Note: * Indicates non-native species.

Appendix B9: Tie Line 637 (Ramona to Julian) Plant Species List

Scientific Name	Common Name
LYCOPHYTES	
SELAGINELLACEAE	SPIKE-MOSS FAMILY
<i>Selaginella bigelovii</i>	Bigelow's spike-moss
FERNS AND FERN ALLIES	
DRYOPTERIDACEAE	WOOD FERN FAMILY
<i>Dryopteris arguta</i>	coastal wood fern
POLYPODIACEAE	POLYPODY FAMILY
<i>Polypodium californicum</i>	California polypody
PTERIDACEAE	BRAKE FAMILY
<i>Cheilanthes clevelandii</i> var. <i>clevelandii</i>	Cleveland's lip fern
<i>Cheilanthes covillei</i>	Coville's Lip Fern
<i>Cheilanthes newberryi</i>	California Cotton fern
<i>Pellaea andromedifolia</i>	coffee fern
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's foot cliff-brake
<i>Pentagramma triangularis</i>	silverback fern
<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	California goldenback fern
GYMNOSPERMS	
CUPRESSACEAE	CYPRESS FAMILY
<i>Cupressus sempervirens</i> *	Italian cypress
PINACEAE	PINE FAMILY
<i>Pinus halepensis</i> *	aleppo pine
<i>Pinus</i> sp.	pine
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
<i>Yucca schidigera</i>	Mojave yucca
ALLIACEAE	ONION FAMILY
<i>Allium haematochiton</i>	red-skin onion
<i>Allium peninsulare</i> var. <i>peninsulare</i>	red-flower onion
<i>Allium</i> sp.	onion
CYPERACEAE	SEDGE FAMILY
<i>Carex triquetra</i>	triangular-fruit sedge
<i>Eleocharis macrostachya</i>	pale spike-rush
<i>Eleocharis</i> sp.	spike-rush
HYACINTHACEAE	HYACINTH FAMILY
<i>Chlorogalum parviflorum</i>	small-flower soap-plant
IRIDACEAE	IRIS FAMILY
<i>Sisyrinchium bellum</i>	blue-eyed-grass
JUNCACEAE	RUSH FAMILY
<i>Juncus</i> sp.	rush
<i>Juncus arcticus</i> var. <i>mexicanus</i>	Mexican rush
<i>Juncus bufonius</i>	toad rush
<i>Juncus xiphioides</i>	iris-leaf rush

Scientific Name	Common Name
LILIACEAE	LILY FAMILY
<i>Calochortus concolor</i>	golden-bowl mariposa lily
<i>Calochortus splendens</i>	splendid mariposa lily
POACEAE	GRASS FAMILY
<i>Achnatherum coronatum</i>	giant stipa
<i>Aristida purpurea</i>	three-awn
<i>Avena barbata</i> *	slender wild oat
<i>Avena fatua</i> *	wild oat
<i>Avena sativa</i> *	cultivated oat
<i>Brachypodium distachyon</i> *	purple falsebrome
<i>Briza minor</i>	quaking grass
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome
<i>Bromus diandrus</i> *	ripgut grass
<i>Bromus hordeaceus</i> *	soft chess
<i>Bromus japonicus</i> *	Japanese brome
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	foxtail chess
<i>Bromus tectorum</i> *	cheat grass
<i>Cynodon dactylon</i> *	Bermuda grass
<i>Dactylis glomerata</i> *	orchard grass
<i>Distichlis spicata</i>	saltgrass
<i>Elymus glaucus</i>	blue wildrye
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wildrye
<i>Gastridium ventricosum</i> *	nit grass
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i> *	Mediterranean barley
<i>Hordeum murinum</i> *	hare barley
<i>Hordeum</i> sp.	barley
<i>Lamarckia aurea</i> *	golden-top
<i>Leymus triticoides</i>	beardless wild-rye
<i>Lolium multiflorum</i> *	Italian ryegrass
<i>Lolium temulentum</i> *	darnel
<i>Melica imperfecta</i>	coast range melic
<i>Melinis repens</i> ssp. <i>repens</i> *	natal grass
<i>Muhlenbergia microsperma</i>	little-seed muhly
<i>Muhlenbergia rigens</i>	deergrass
<i>Nassella cernua</i>	nodding needlegrass
<i>Nassella lepida</i>	foothill needlegrass
<i>Nassella pulchra</i>	purple needlegrass
<i>Pennisetum setaceum</i> *	African fountain grass
<i>Phalaris</i> sp.	canary grass
<i>Piptatherum miliaceum</i> *	smilo grass
<i>Poa pratensis</i> ssp. <i>pratensis</i> *	Kentucky bluegrass
<i>Polypogon monspeliensis</i> *	annual beard grass
<i>Schismus barbatus</i> *	Mediterranean schismus
<i>Secale cereale</i> *	common rye
<i>Vulpia myuros</i> var. <i>hirsta</i> *	hairy rat-tail fescue

Scientific Name	Common Name
<i>Vulpia myuros</i> var. <i>myuros</i> *	rat-tail fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Bloomeria crocea</i> var. <i>crocea</i>	common goldenstar
<i>Brodiaea orcuttii</i>	Orcutt's brodiaea
<i>Brodiaea terrestris</i> ssp. <i>kernensis</i>	dwarf brodiaea
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
<i>Muilla maritima</i>	common muilla
ANGIOSPERMS (EUDICOTS)	
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	blue elderberry
AIZOACEAE	FIG-MARIGOLD FAMILY
<i>Carpobrotus edulis</i> *	hottentot-fig
<i>Mesembryanthemum crystallinum</i> *	crystalline iceplant
<i>Mesembryanthemum nodiflorum</i> *	slender-leaf iceplant
AMARANTHACEAE	AMARANTH FAMILY
<i>Amaranthus albus</i>	white tumbleweed
<i>Amaranthus retroflexus</i> *	rough pigweed
<i>Amaranthus</i> sp.	pigweed
<i>Chenopodium album</i> *	lamb's quarters
<i>Chenopodium californicum</i>	California goosefoot
<i>Chenopodium</i> sp.	goosefoot
<i>Salsola tragus</i> *	prickly Russian-thistle
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Malosma laurina</i>	laurel sumac
<i>Rhus ovata</i>	sugar bush
<i>Rhus trilobata</i>	skunkbrush
<i>Schinus molle</i> *	Peruvian pepper tree
<i>Toxicodendron diversilobum</i>	Western poison-oak
APIACEAE	CARROT FAMILY
<i>Apiastrum angustifolium</i>	mock-parsley
<i>Daucus pusillus</i>	rattlesnake weed
<i>Hydrocotyle umbellata</i>	many-flower marsh-pennywort
<i>Lomatium dasycarpum</i> ssp. <i>dasycarpum</i>	woolly-fruit lomatium
<i>Sanicula arguta</i>	sharp-tooth sanicle
<i>Sanicula bipinnatifida</i>	purple sanicle
<i>Sanicula crassicaulis</i>	Pacific sanicle
<i>Tauschia arguta</i>	southern tauschia
APOCYNACEAE	DOGBANE FAMILY
<i>Asclepias californica</i>	California milkweed
<i>Asclepias eriocarpa</i>	Indian milkweed
<i>Nerium oleander</i> *	oleander
ASTERACEAE	SUNFLOWER FAMILY
<i>Achillea millefolium</i>	yarrow
<i>Acourtia microcephala</i>	sacapellote
<i>Ambrosia psilostachya</i>	western ragweed

Scientific Name	Common Name
<i>Anthemis cotula</i> *	mayweed
<i>Artemisia californica</i>	coastal sagebrush
<i>Artemisia douglasiana</i>	Douglas mugwort
<i>Artemisia ludoviciana</i> ssp. <i>ludoviciana</i>	silver wormwood
<i>Baccharis pilularis</i>	coyote brush
<i>Baccharis salicifolia</i>	mule-fat
<i>Baccharis sarothroides</i>	broom baccharis
<i>Brickellia californica</i>	California brickellbush
<i>Carduus pycnocephalus</i> *	Italian thistle
<i>Centaurea melitensis</i> *	totalote
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Chaenactis glabriuscula</i> var. <i>glabriuscula</i>	yellow pincushion
<i>Chrysanthemum coronarium</i> *	garland daisy
<i>Cirsium occidentale</i> var. <i>californicum</i>	California thistle
<i>Cirsium scariosum</i>	bird's-nest thistle
<i>Conyza bonariensis</i> *	flax-leaf fleabane
<i>Conyza canadensis</i>	horseweed
<i>Conyza</i> sp.	horseweed
<i>Corethrogyne filaginifolia</i> var. <i>filaginifolia</i>	common sand-aster
<i>Coreopsis californica</i> var. <i>californica</i>	California coreopsis
<i>Cotula australis</i> *	Australian brass-buttons
<i>Cotula coronopifolia</i> *	African brass-buttons
<i>Deinandra fasciculata</i>	fascicled tarweed
<i>Dimorphotheca sinuata</i> *	blue-eye cape-marigold
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	long-stem golden-yarrow
<i>Eriophyllum wallacei</i>	Wallace's woolly daisy
<i>Euryops</i> sp.	euryops
<i>Filago californica</i>	California filago
<i>Filago gallica</i> *	narrow-leaf filago
<i>Gazania linearis</i> *	treasure flower
<i>Gnaphalium californicum</i>	California everlasting
<i>Gnaphalium palustre</i>	lowland cudweed
<i>Gnaphalium stramineum</i>	cotton-batting plant
<i>Grindelia hirsutula</i>	San Diego gumplant
<i>Gutierrezia californica</i>	California matchweed
<i>Gutierrezia sarothrae</i>	broom matchweed
<i>Hazardia squarrosa</i> var. <i>grindelioides</i>	southern saw-toothed goldenbush
<i>Hedypnois cretica</i> *	Crete hedypnois
<i>Helianthus gracilentus</i>	slender sunflower
<i>Heterotheca grandiflora</i>	telegraph weed
<i>Hypochaeris glabra</i> *	smooth cat's ear
<i>Lactuca serriola</i> *	prickly lettuce
<i>Lasthenia gracilis</i>	common goldfields
<i>Layia glandulosa</i>	white tidy-tips

Scientific Name	Common Name
<i>Machaeranthera juncea</i>	rush chaparral-star
<i>Madia elegans</i> ssp. <i>elegans</i>	elegant madia
<i>Malacothrix clevelandii</i>	Cleveland's malacothrix
<i>Matricaria matricarioides</i> *	common pineapple-weed
<i>Osmadenia tenella</i>	osmadenia
<i>Porophyllum gracile</i>	odora
<i>Psuedognaphalium biolettii</i>	bicolor cudweed
<i>Psuedognaphalium microcephalum</i>	white everlasting
<i>Rafinesquia californica</i>	California chicory
<i>Senecio californicus</i>	California butterweed
<i>Senecio vulgaris</i> *	common groundsel
<i>Solidago californica</i>	California goldenrod
<i>Sonchus asper</i> ssp. <i>asper</i> *	prickly sow-thistle
<i>Sonchus oleraceus</i> *	common sow-thistle
<i>Stephanomeria exigua</i> ssp. <i>deanei</i>	Deane's small wreath-plant
<i>Stephanomeria</i> sp.	wreath-plant
<i>Stylocline gnaphaloides</i>	everlasting nest-straw
<i>Taraxacum officinale</i> *	common dandelion
<i>Tetradymia comosa</i>	cotton-thorn
<i>Tragopogon porrifolius</i> *	oyster plant
<i>Uropappus lindleyi</i>	silver puffs
<i>Viguiera laciniata</i>	San Diego County viguiera
<i>Wyethia ovata</i>	southern mule's ear
BETULACEAE	BIRCH FAMILY
<i>Alnus rhombifolia</i>	white alder
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i>	fiddleneck
<i>Amsinckia menziesii</i> var. <i>intermedia</i>	rancher's fiddleneck
<i>Cryptantha</i> sp.	cryptantha
<i>Cryptantha intermedia</i>	Nievitans cryptantha
<i>Cryptantha micromeres</i>	minute-flower cryptantha
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	slender pectocarya
<i>Pectocarya pencillata</i>	winged pectocarya
<i>Plagiobothrys collinus</i>	popcornflower
<i>Plagiobothrys</i> sp.	popcornflower
BRASSICACEAE	MUSTARD FAMILY
<i>Boechera sparsiflora</i>	rock-cress
<i>Hirschfeldia incana</i> *	shortpod mustard
<i>Lepidium nitidum</i> var. <i>nitidum</i>	shining peppergrass
<i>Lepidium</i> sp.	peppergrass
<i>Lobularia maritima</i> *	sweet alyssum
<i>Raphanus sativus</i> *	wild radish
<i>Rorippa nasturtium-aquaticum</i>	water-cress
<i>Sisymbrium altissimum</i> *	tumble mustard
<i>Sisymbrium irio</i> *	London rocket

Scientific Name	Common Name
<i>Sisymbrium orientale</i> *	hare's-ear cabbage
<i>Thysanocarpus curvipes</i>	fringepod
<i>Thysanocarpus laciniatus</i>	notch fringepod
CACTACEAE	CACTUS FAMILY
<i>Opuntia ficus-indica</i> *	Indian-fig
<i>Opuntia littoralis</i>	coast prickly-pear
<i>Opuntia phaeacantha</i>	desert prickly-pear
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
<i>Lonicera subspicata</i> var. <i>denudata</i>	Johnston's honeysuckle
CARYOPHYLLACEAE	PINK FAMILY
<i>Cerastium glomeratum</i> *	mouse-ear chickweed
<i>Loeflingia squarrosa</i>	California loeflingia
<i>Polycarpon depressum</i>	California polycarp
<i>Polycarpon tetraphyllum</i> ssp. <i>tetraphyllum</i> *	four-leaf allseed
<i>Silene antirrhina</i>	snapdragon catchfly
<i>Silene gallica</i> *	common catchfly
<i>Silene laciniata</i> ssp. <i>laciniata</i>	southern pink
<i>Silene multinervia</i>	many-nerve catchfly
<i>Spergularia bocconi</i> *	Boccone's sand-spurry
<i>Stellaria media</i> *	common chickweed
CISTACEAE	ROCK-ROSE FAMILY
<i>Helianthemum scoparium</i>	peak rush-rose
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Calystegia macrostegia</i>	morning-glory
<i>Cuscuta californica</i>	dodder
<i>Cuscuta</i> sp.	dodder
CRASSULACEAE	STONECROP FAMILY
<i>Crassula connata</i>	pygmyweed
<i>Dudleya edulis</i>	ladies' fingers
<i>Dudleya lanceolata</i>	lance-leaf dudleya
<i>Dudleya pulverulenta</i>	chalk dudleya
CUCURBITACEAE	GOURD FAMILY
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	manroot, wild-cucumber
DATISCAEAE	DATISCA FAMILY
<i>Datisca glomerata</i>	durango root
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glandulosa</i> ssp. <i>adamsii</i>	Laguna Mountain manzanita
<i>Arctostaphylos glandulosa</i> ssp. <i>zacaensis</i>	Zaca Lake manzanita
<i>Arctostaphylos pungens</i>	point-leaf manzanita
<i>Xylococcus bicolor</i>	mission manzanita
EUPHORBIACEAE	SPURGE FAMILY
<i>Chamaesyce albomarginata</i>	white-margin sandmat
<i>Chamaesyce maculata</i> *	spotted spurge
<i>Croton setigerus</i>	doveweed
FABACEAE	LEGUME FAMILY

Scientific Name	Common Name
<i>Acacia longifolia</i> *	Sydney golden wattle
<i>Astragalus gambelianus</i>	Gambel's locoweed
<i>Astragalus oocarpus</i>	San Diego milkvetch
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	San Diego sweet pea
<i>Lotus argophyllus</i> var. <i>argophyllus</i>	silver-leaf lotus
<i>Lotus hamatus</i>	grab lotus
<i>Lotus humistratus</i>	hill lotus
<i>Lotus purshianus</i> var. <i>purshianus</i>	Spanish-clover
<i>Lotus salsuginosus</i> var. <i>salsuginosus</i>	alkali lotus
<i>Lotus scoparius</i> var. <i>brevialatus</i>	short-wing deerweed
<i>Lotus scoparius</i> var. <i>scoparius</i>	coastal deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus concinnus</i>	bajada lupine
<i>Lupinus hirsutissimus</i>	stinging lupine
<i>Lupinus sparsiflorus</i>	Coulter's lupine
<i>Lupinus truncatus</i>	collar lupine
<i>Medicago polymorpha</i> *	California burclover
<i>Melilotus indicus</i> *	Indian sweetclover
<i>Robinia pseudoacacia</i>	black locust
<i>Trifolium</i> sp.	clover
<i>Trifolium albopurpureum</i> var. <i>albopurpureum</i>	Rancheria clover
<i>Trifolium bifidum</i> var. <i>decipiens</i>	pinole clover
<i>Trifolium ciliolatum</i>	tree clover
<i>Trifolium depauperatum</i>	clover
<i>Trifolium hirtum</i> *	rose clover
<i>Trifolium microcephalum</i>	maiden clover
<i>Trifolium obtusiflorum</i>	creek clover
<i>Trifolium variegatum</i>	white-tip clover
<i>Trifolium willdenovii</i>	valley clover
<i>Vicia</i> sp.	vetch
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Vicia ludoviciana</i> var. <i>ludoviciana</i>	deer pea vetch
<i>Vicia villosa</i> *	winter vetch
FAGACEAE	OAK FAMILY
<i>Quercus</i> X <i>acutidens</i>	oak hybrid
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak, encina
<i>Quercus agrifolia</i> var. <i>oxyadenia</i>	interior coast live oak
<i>Quercus berberidifolia</i>	scrub oak
<i>Quercus engelmannii</i>	Engelmann's oak
GENTIANACEAE	GENTIAN FAMILY
<i>Centaurium venustum</i>	canchalagua
GERANIACEAE	GERANIUM FAMILY
<i>Erodium botrys</i> *	long-beak filaree
<i>Erodium brachycarpum</i> *	short-beak filaree

Scientific Name	Common Name
<i>Erodium cicutarium</i> *	red-stem filaree
GROSSULARIACEAE	GOOSEBERRY FAMILY
<i>Ribes indecorum</i>	white-flower currant
HELIOTROPACEAE	HELIOTROPE FAMILY
<i>Heliotropium curassavicum</i>	salt heliotrope
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Emmenanthe penduliflora</i> var. <i>penduliflora</i>	whispering bells
<i>Eriodictyon crassifolium</i> var. <i>crassifolium</i>	felt-leaved yerba santa
<i>Eucrypta chrysanthemifolia</i> var. <i>chrysanthemifolia</i>	common eucrypta
<i>Nemophila menziesii</i>	baby blue eyes
<i>Nemophila menziesii</i> var. <i>integrifolia</i>	small-flower baby blue eyes
<i>Phacelia cicutaria</i> var. <i>hispida</i>	caterpillar phacelia
<i>Phacelia distans</i>	wild-heliotrope
<i>Phacelia parryi</i>	Parry's phacelia
<i>Phacelia ramosissima</i> var. <i>latifolia</i>	branching phacelia
<i>Phacelia ramosissima</i>	phacelia
LAMIACEAE	MINT FAMILY
<i>Lamium amplexicaule</i> *	henbit
<i>Marrubium vulgare</i> *	horehound
<i>Salvia apiana</i>	white sage
<i>Salvia clevelandii</i>	fragrant sage
<i>Salvia columbariae</i>	chia
<i>Salvia mellifera</i>	black sage
<i>Scutellaria tuberosa</i>	Danny's skullcap
<i>Stachys ajugoides</i> var. <i>rigida</i>	rigid hedge-nettle
<i>Trichostema lanatum</i>	woolly bluecurls
<i>Trichostema lanceolatum</i>	vinegar weed
<i>Trichostema parishii</i>	mountain bluecurls
LYTHRACEAE	LOOSESTRIFE FAMILY
<i>Lythrum hyssopifolia</i> *	grass poly
MALVACEAE	MALLOW FAMILY
<i>Alcea rosea</i> *	hollychoke
<i>Brachychiton populneum</i> *	bottle tree
<i>Malacothamnus densiflorus</i>	many-flower bushmallow
<i>Malacothamnus fasciculatus</i>	chaparral bushmallow
<i>Malva parviflora</i> *	cheeseweed
<i>Sidalcea malviflora</i> ssp. <i>sparsifolia</i>	checker-bloom
MYRTACEAE	MYRTLE FAMILY
<i>Callistemon citrinus</i>	crimson bottlebrush
<i>Eucalyptus globulus</i> *	blue gum
NYCTAGINACEAE	FOUR O'CLOCK FAMILY
<i>Mirabilis laevis</i> var. <i>crassifolia</i>	coastal wishbone plant
OLEACEAE	OLIVE FAMILY
<i>Olea europaea</i> *	olive
ONAGRACEAE	EVENING PRIMROSE FAMILY

Scientific Name	Common Name
<i>Camissonia bistorta</i>	California sun cup
<i>Camissonia californica</i>	false-mustard
<i>Camissonia hirtella</i>	field sun cup
<i>Camissonia strigulosa</i>	sandysoil sun cup
<i>Clarkia delicata</i>	delicate/Campo clarkia
<i>Clarkia epilobioides</i>	canyon godetia
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four-spot clarkia
<i>Clarkia rhomboidea</i>	diamond clarkia
<i>Epilobium canum</i> ssp. <i>canum</i>	California fuschia, zauschneria
<i>Epilobium cilatum</i> ssp. <i>ciliatum</i>	willow herb
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja densiflora</i> ssp. <i>gracilis</i>	Parish's owl's-clover
<i>Castilleja exserta</i> ssp. <i>exserta</i>	purple owl's-clover
<i>Castilleja foliolosa</i>	woolly Indian paintbrush
<i>Castilleja minor</i> ssp. <i>spiralis</i>	California thread-torch
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	dark-tip bird's beak
OXALIDACEAE	OXALIS FAMILY
<i>Oxalis albicans</i> ssp. <i>californica</i>	California wood-sorrel
<i>Oxalis</i> sp.	wood sorrel
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PAPAVERACEAE	POPPY FAMILY
<i>Dicentra chrysantha</i>	golden ear-drops
<i>Eschscholzia californica</i>	California poppy
PHRYMACEAE	HOPSEED FAMILY
<i>Mimulus aurantiacus</i>	coast monkey flower
<i>Mimulus aurantiacus</i> var. <i>pubescens</i> X var. <i>puniceus</i>	San Diego monkey flower
<i>Mimulus brevipes</i>	slope semiphore
<i>Mimulus fremontii</i> var. <i>fremontii</i>	Fremont monkey flower
<i>Mimulus palmeri</i>	Palomar monkey flower
<i>Mimulus guttatus</i>	seep monkey flower
PICRONDENDRACEAE	PICRODENDRON FAMILY
<i>Tetracoccus dioicus</i>	Parry's tetracoccus
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum coulterianum</i>	Coulter's snapdragon
<i>Antirrhinum nuttallianum</i> ssp. <i>subsessile</i>	big-gland Nuttall's snapdragon
<i>Antirrhinum nuttallianum</i> ssp. <i>nuttallianum</i>	Nuttall's snapdragon
<i>Collinsia concolor</i>	southern Chinese houses
<i>Collinsia heterophylla</i>	Chinese houses
<i>Keckiella antirrhinoides</i> var. <i>antirrhinoides</i>	yellow bush penstemon
<i>Keckiella cordifolia</i>	climbing bush penstemon
<i>Linaria canadensis</i>	large blue toadflax
<i>Penstemon centranthifolius</i>	scarlet bugler
<i>Penstemon spectabilis</i> var. <i>spectabilis</i>	showy penstemon
<i>Plantago lanceolata</i> *	English plantain, rib-grass

Scientific Name	Common Name
<i>Plantago patagonica</i>	desert plantain
PLATANACEAE	SYCAMORE FAMILY
<i>Platanus racemosa</i>	western sycamore
POLEMONIACEAE	PHLOX FAMILY
<i>Allophyllum gilioides</i>	straggling false-gilia
<i>Eriastrum filifolium</i>	thread-leaf woolly-star
<i>Eriastrum sapphirinum</i> ssp. <i>sapphirinum</i>	sapphire woolly-star
<i>Gilia capitata</i> ssp. <i>abrotanifolia</i>	ball gilia
<i>Gilia diegensis</i>	San Diego gilia
<i>Gilia ochroleuca</i> ssp. <i>exilis</i>	volcanic gilia
<i>Leptosiphon liniflorus</i>	Great Basin linanthus
<i>Leptosiphon parviflorus</i>	coast baby-star
<i>Linanthus dianthiflorus</i>	farinose ground-pink
<i>Navarretia atractyloides</i>	holly-leaf skunkweed
<i>Navarretia capillaris</i>	miniature gilia
<i>Navarretia hamata</i> ssp. <i>hamata</i>	hooked skunkweed
<i>Navarretia hamata</i> ssp. <i>leptantha</i>	hooked pincushion plant
<i>Navarretia</i> sp.	navarretia
<i>Saltugilia australis</i>	southern gilia
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Chorizanthe fimbriata</i> var. <i>laciniata</i>	laciniate spineflower
<i>Chorizanthe fimbriata</i> var. <i>fimbriata</i>	fringed spineflower
<i>Chorizanthe procumbens</i>	prostrate spineflower
<i>Chorizanthe staticoides</i>	turkish rugging
<i>Eriogonum davidsonii</i>	skeleton weed
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	coast California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	inland California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	mountain California buckwheat
<i>Eriogonum gracile</i>	slender buckwheat
<i>Polygonum arenastrum</i> *	common knotweed
<i>Polygonum lapathifolium</i>	willow weed
<i>Polygonum</i> sp.	knotweed
<i>Pterostegia drymarioides</i>	granny's hairnet
<i>Rumex conglomeratus</i> *	whorled dock
<i>Rumex crispus</i> *	curly dock
<i>Rumex hymenosepalus</i>	desert rhubarb
<i>Rumex salicifolius</i> var. <i>denticulatus</i>	curly willow dock
<i>Rumex salicifolius</i> var. <i>salicifolius</i>	willow dock
PORTULACACEAE	PURSLANE FAMILY
<i>Calandrinia ciliata</i>	red maids
<i>Claytonia exigua</i> ssp. <i>exigua</i>	serpentine montia
<i>Claytonia parviflora</i>	miner's-lettuce
<i>Claytonia perfoliata</i> ssp. <i>mexicana</i>	Mexican miner's-lettuce
<i>Claytonia perfoliata</i> ssp. <i>perfoliata</i>	miner's-lettuce
<i>Portulaca oleracea</i> *	common purslane

Scientific Name	Common Name
PRIMULACEAE	PRIMROSE FAMILY
<i>Anagallis arvensis</i> *	scarlet pimpernel
<i>Centunculus minimis</i>	common chaffweed
PROTEACEAE	PROTEA FAMILY
<i>Grevillea robusta</i> *	silk oak
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Clematis pauciflora</i>	ropevine clematis
<i>Delphinium cardinale</i>	scarlet larkspur
<i>Delphinium parryi</i> ssp. <i>parryi</i>	Parry's larkspur
<i>Ranunculus aquatilis</i> var. <i>capillaceus</i>	hair-leaf water buttercup
<i>Ranunculus californicus</i>	California buttercup
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	Fendler's meadow-rue
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus crassifolius</i>	thick-leaf-lilac
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Rhamnus ilicifolia</i>	holly-leaf redberry
<i>Rhamnus pilosa</i>	hairy-leaf redberry
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	birch-leaf mountain-mahogany
<i>Heteromeles arbutifolia</i>	toyon
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
<i>Prunus virginiana</i> var. <i>demissa</i>	western choke cherry
RUBIACEAE	MADDER FAMILY
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	narrow-leaf bedstraw
<i>Galium aparine</i>	goose grass
<i>Galium nuttallii</i> ssp. <i>nuttallii</i>	San Diego bedstraw
<i>Galium parisiense</i>	wall bedstraw
<i>Galium porrigens</i> var. <i>porrigens</i>	climbing/oval-leaf bedstraw
SALICACEAE	WILLOW FAMILY
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Populus fremontii</i> ssp. <i>fremontii</i>	western cottonwood
<i>Salix gooddingii</i>	Goodding's black willow
<i>Salix laevigata</i>	red willow
<i>Salix lasiolepis</i>	arroyo willow
SAXIFRAGACEAE	SAXIFRAGE FAMILY
<i>Lithophragma affine</i>	woodland star
SCROPHULARIACEAE	FIGWORT FAMILY
<i>Myoporum laetum</i> *	ngaio, mousehole tree
<i>Scrophularia californica</i> ssp. <i>floribunda</i>	California bee plant
STERCULIACEAE	CACAO FAMILY
<i>Brachychiton populneum</i> *	bottle tree
SOLANACEAE	NIGHTSHADE FAMILY
<i>Datura wrightii</i> *	western jimson weed
<i>Nicotiana glauca</i> *	tree tobacco

Scientific Name	Common Name
<i>Solanum americanum</i>	white nightshade
<i>Solanum douglasii</i>	Douglas' nightshade
<i>Solanum parishii</i>	Parish's nightshade
TAMARICACEAE	TAMARISK FAMILY
<i>Tamarix ramosissima</i> *	tamarisk
URTICACEAE	NETTLE FAMILY
<i>Parietaria hespera</i> var. <i>hespera</i>	western pellitory
<i>Urtica dioica</i> ssp. <i>holosericea</i>	hoary nettle
<i>Urtica urens</i> *	dwarf nettle
VERBENACEAE	VERVAIN FAMILY
<i>Lantana montevidensis</i> *	trailing lantana
<i>Lantana</i> sp. *	lantana
VIOLACEAE	VIOLET FAMILY
<i>Viola douglasii</i>	Douglas's violet
<i>Viola pedunculata</i>	Johnny jump-up
ZYGOPHYLLACEAE	CALTROP FAMILY
<i>Tribulus terrestris</i> *	puncture vine
Note: * Indicates Non-Native Species	

Appendix B10: Tie Line 6923 (Barrett Substation to Cameron Corners; Potreo) Plant Species List

Scientific Name	Common Name
LYCOPHYTES	
SELAGINELLACEAE	SPIKE-MOSS FAMILY
<i>Selaginella bigelovii</i>	Bigelow's spike-moss
FERNS AND FERN ALLIES	
DRYOPTERIDACEAE	WOOD FERN FAMILY
<i>Dryopteris arguta</i>	coastal wood fern
ISOETACEAE	QUILLWORT FAMILY
<i>Isoetes orcuttii</i>	Orcutt's quillwort
MARSILEACEAE	MARSILEA FAMILY
<i>Marsilea vestita</i> ssp. <i>vestita</i>	hairy clover fern
PTERIDACEAE	BRAKE FAMILY
<i>Adiantum</i> sp.	maidenhair fern
<i>Aspidotus californica</i>	California lace fern
<i>Cheilanthes clevelandii</i> var. <i>clevelandii</i>	Cleveland's lip fern
<i>Cheilanthes covillei</i>	Coville's lip Fern
<i>Cheilanthes newberryi</i>	California cotton fern
<i>Pellaea andromedifolia</i>	coffee fern
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's foot cliff-brake fern
<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	california goldback fern
<i>Pentagramma triangularis</i> ssp. <i>viscosa</i>	sticky silverback fern
GYMNOSPERMS	
EPHEDRACEAE	EPHEDRA FAMILY
<i>Ephedra californica</i>	california ephedra
ANGIOSPERMS (MAGNOLIIDS-PIPERALES)	
SAURURACEAE	LIZARD'S-TAIL FAMILY
<i>Anemopsis californica</i>	yerba mansa
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
<i>Yucca schidigera</i>	Mojave yucca
ALLIACEAE	ONION FAMILY
<i>Allium peninsulare</i> var. <i>peninsulare</i>	red-flower onion
CYPERACEAE	SEDGE FAMILY
<i>Carex triquetra</i>	triangular-fruit sedge
<i>Eleocharis bella</i>	delicate spike-rush
<i>Eleocharis macrostachya</i>	pale spike-rush
<i>Schoenoplectus californicus</i>	California bulrush
JUNCACEAE	RUSH FAMILY
<i>Juncus arcticus</i> var. <i>mexicanus</i>	Mexican rush
<i>Juncus bufonius</i>	toad rush
<i>Juncus dubius</i>	mariposa rush
<i>Juncus</i> sp.	rush
LILIACEAE	LILY FAMILY

Scientific Name	Common Name
<i>Calochortus</i> sp.	mariposa lily
<i>Calochortus concolor</i>	golden-bowl mariposa lily
<i>Calochortus splendens</i>	splendid mariposa lily
ORCHIDACEAE	ORCHID FAMILY
<i>Piperia cooperi</i>	Cooper's rein orchid
POACEAE	giant stipa
<i>Achnatherum coronatum</i>	giant needlegrass
<i>Aristida purpurea</i>	three-awn
<i>Avena barbata</i> *	slender wild oat
<i>Avena fatua</i> *	wild oat
<i>Brachypodium distachyon</i> *	purple falsebrome
<i>Bromus diandrus</i> *	ripgut grass
<i>Bromus hordeaceus</i> *	soft chess
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	foxtail chess
<i>Bromus tectorum</i> *	cheat grass
<i>Cynodon dactylon</i> *	Bermuda grass
<i>Gastridium ventricosum</i> *	nit grass
<i>Hordeum murinum</i> *	barley
<i>Lamarckia aurea</i> *	golden-top
<i>Leymus triticoides</i>	beardless wild-rye
<i>Lolium multiflorum</i> *	Italian ryegrass
<i>Melica frutescens</i>	tall melic
<i>Melica imperfecta</i>	coast range melic
<i>Muhlenbergia microsperma</i>	little-seed muhly
<i>Muhlenbergia rigens</i>	deergrass
<i>Nassella cernua</i>	nodding needlegrass
<i>Nassella lepida</i>	foothill needlegrass
<i>Piptatherum miliaceum</i> *	smilo grass
<i>Poa annua</i> *	annual bluegrass
<i>Poa secunda</i> ssp. <i>secunda</i>	one-sided bluegrass
<i>Polypogon monspeliensis</i> *	annual beard grass
<i>Schismus barbatus</i> *	Mediterranean schismus
<i>Vulpia microstachys</i>	fescue
<i>Vulpia myuros</i> var. <i>hirsuta</i>	hairy rat-tail fescue
<i>Vulpia myuros</i> var. <i>myuros</i>	rat-tail fescue
<i>Vulpia octoflora</i> var. <i>hirtella</i>	tufted fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Bloomeria crocea</i> var. <i>crocea</i>	common goldenstar
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
<i>Dichelostemma capitatum</i> ssp. <i>pauciflorum</i>	few-flower blue dicks
TYPHACEAE	CATTAIL FAMILY
<i>Typha</i> sp.	cattail
<i>Typha domingensis</i>	Southern cattail
<i>Typha latifolia</i>	broad-leaf cattail
ANGIOSPERMS (EUDICOTS)	
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	blue elderberry

Scientific Name	Common Name
AMARANTHACEAE	AMARANTH FAMILY
<i>Amaranthus albus</i>	white tumbleweed
<i>Amaranthus californicus</i>	California amaranth
<i>Amaranthus retroflexus</i> *	rough pigweed
<i>Chenopodium album</i> *	lamb's quarters
<i>Chenopodium californicum</i>	California goosefoot
<i>Salsola tragus</i> *	prickly Russian-thistle
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Malosma laurina</i>	laurel sumac
<i>Rhus ovata</i>	sugar bush
<i>Rhus trilobata</i>	skunkbrush
<i>Toxicodendron diversilobum</i>	Western poison-oak
APIACEAE	CARROT FAMILY
<i>Anthriscus caucalis</i>	bur chervil
<i>Apiastrum angustifolium</i>	mock-parsley
<i>Apium graveolens</i> *	common celery
<i>Bowlesia incana</i>	American bowlesia
<i>Coriandrum sativum</i>	cilantro
<i>Daucus pusillus</i>	rattlesnake weed
<i>Lomatium dasycarpum</i> ssp. <i>dasycarpum</i>	woolly-fruit lomatium
<i>Sanicula bipinnata</i>	poison sanicle
<i>Sanicula crassicaulis</i>	Pacific sanicle
<i>Tauschia arguta</i>	southern tauschia
ARALIACEAE	GINSENG FAMILY
<i>Hedera helix</i> *	English ivy
ASCLEPIADACEAE	MILKWEED FAMILY
<i>Asclepias californica</i>	California milkweed
<i>Asclepias fascicularis</i>	narrow-leaf milkweed
ASTERACEAE	SUNFLOWER FAMILY
<i>Achillea millefolium</i>	yarrow, milfoil
<i>Acourtia microcephala</i>	sacapellote
<i>Agoseris retrorsa</i>	spear-leaved agoseris
<i>Ambrosia psilostachya</i>	western ragweed
<i>Anthemis cotula</i> *	mayweed
<i>Artemisia californica</i>	California sagebrush
<i>Artemisia douglasiana</i>	Douglas mugwort
<i>Artemisia dracunculus</i>	tarragon
<i>Artemisia tridentata</i> ssp. <i>tridentata</i>	big sagebrush
<i>Baccharis salicifolia</i>	mule-fat
<i>Baccharis sarothroides</i>	broom baccharis
<i>Brickellia californica</i>	California brickellbush
<i>Calycadenia</i> sp.	Fremont's western rosinweed
<i>Centaurea melitensis</i> *	totalote
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Chaenactis glabriuscula</i> var. <i>glabriuscula</i>	yellow pincushion
<i>Cirsium occidentale</i> var. <i>californicum</i>	California thistle
<i>Cirsium occidentale</i> var. <i>occidentale</i>	cobwebby thistle

Scientific Name	Common Name
<i>Cnicus benedictus</i> *	blessed thistle
<i>Conyza canadensis</i>	horseweed
<i>Corethrogyne filaginifolia</i> var. <i>filaginifolia</i>	common sand-aster
<i>Deinandra fasciculata</i>	fascicled tarweed
<i>Deinandra floribunda</i>	Tecate tarplant
<i>Deinandra kelloggii</i>	Kellogg tarplant
<i>Dimorphotheca sinuata</i>	blue-eye cape-marigold
<i>Ericameria brachylepis</i>	boundary goldenbush
<i>Ericameria linearifolia</i>	interior goldenbush
<i>Ericameria pinifolia</i>	pine goldenbush
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	long-stem golden-yarrow
<i>Eriophyllum wallacei</i>	Wallace's woolly daisy
<i>Filago californica</i>	California filago
<i>Filago gallica</i> *	narrow-leaf filago
<i>Geraea viscida</i>	sticky geraea
<i>Gnaphalium californicum</i>	California everlasting
<i>Gnaphalium luteo-album</i> *	fragrant cudweed
<i>Gnaphalium palustre</i>	lowland cudweed
<i>Gutierrezia californica</i>	California matchweed
<i>Gutierrezia sarothrae</i>	broom matchweed
<i>Hazardia squarrosa</i> var. <i>grindelioides</i>	southern saw-tooth goldenbush
<i>Hedypnois cretica</i> *	Crete hedypnois
<i>Helianthus gracilentus</i>	slender sunflower
<i>Heterotheca grandiflora</i>	telegraph weed
<i>Hypochaeris glabra</i> *	smooth cat's ear
<i>Isocoma menziesii</i> var. <i>menziesii</i>	spreading goldenbush
<i>Lactuca serriola</i> *	prickly lettuce
<i>Lasthenia gracilis</i>	common goldfields
<i>Layia glandulosa</i>	white layia
<i>Layia platyglossa</i>	tidy tips
<i>Machaeranthera juncea</i>	rush chaparral-star
<i>Madia exigua</i>	threadstem madia
<i>Malacothrix clevelandii</i>	Cleveland's malacothrix
<i>Matricaria matricarioides</i> *	common pineapple-weed
<i>Osmadenia tenella</i>	southern rosinweed
<i>Porophyllum gracile</i>	odora
<i>Pseudognaphalium beneolens</i>	fragrant everlasting
<i>Pseudognaphalium biolettii</i>	bicolor cudweed
<i>Pseudognaphalium microcephalum</i>	white everlasting
<i>Rafinesquia californica</i>	California chicory
<i>Senecio vulgaris</i> *	common groundsel
<i>Solidago californica</i>	California goldenrod
<i>Sonchus asper</i> ssp. <i>asper</i> *	prickly sow-thistle
<i>Sonchus oleraceus</i> *	common sow-thistle
<i>Stephanomeria</i> sp.	wreathplant
<i>Stylocline gnaphaloides</i>	everlasting nest-straw

Scientific Name	Common Name
<i>Tetradymia comosa</i>	cotton-thorn
<i>Uropappus lindleyi</i>	silver puffs
<i>Viguiera laciniata</i>	San Diego sunflower
<i>Xanthium strumarium</i>	cocklebur
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i> var. <i>intermedia</i>	rancher's fiddleneck
<i>Amsinckia menziesii</i> var. <i>menziesii</i>	rigid fiddleneck
<i>Cryptantha</i> sp.	cryptantha
<i>Cryptantha intermedia</i>	Nieivitas cryptantha
<i>Cryptantha lepida</i>	redroot cryptantha
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	slender pectocarya
<i>Pectocarya penicillata</i>	winged pectocarya
<i>Plagiobothrys collinus</i>	popcornflower
BRASSICACEAE	MUSTARD FAMILY
<i>Boechera pulchra</i> var. <i>gracilis</i>	slender rock-cress
<i>Caulanthus heterophyllus</i> ssp. <i>heterophyllus</i>	San Diego jewelflower
<i>Guillenia lasiophylla</i>	California mustard
<i>Hirschfeldia incana</i> *	shortpod mustard
<i>Lepidium nitidum</i> var. <i>nitidum</i>	shining peppergrass
<i>Lepidium</i> sp.	peppergrass
<i>Raphanus sativus</i> *	wild radish
<i>Rorippa nasturtium-aquaticum</i>	water-cress
<i>Rorippa palustris</i> var. <i>occidentalis</i>	Pacific yellow cress
<i>Sisymbrium altissimum</i> *	tumble mustard
<i>Sisymbrium irio</i> *	London rocket
<i>Sisymbrium orientale</i> *	hare's-ear cabbage
<i>Thysanocarpus curvipes</i>	fringedpod
<i>Thysanocarpus laciniatus</i>	notch fringedpod
<i>Thysanocarpus radians</i>	ribbed fringedpod
CACTACEAE	CACTUS FAMILY
<i>Cylindropuntia californica</i> var. <i>parkeri</i>	valley cholla
<i>Opuntia ficus-indica</i> *	Indian fig
<i>Opuntia littoralis</i>	coastal prickly-pear
<i>Opuntia phaeacantha</i>	desert prickly-pear
CAMPANULACEAE	BELLFLOWER FAMILY
<i>Githopsis diffusa</i> ssp. <i>candida</i>	San Gabriel bluecup
<i>Heterocodon rariflorum</i>	heterocodon
<i>Triodanis biflora</i>	small venus looking-glass
<i>Nemacladus longiflorus</i>	long-flower threadplant
<i>Nemacladus ramosissimus</i>	Nuttall's threadplant
<i>Nemacladus</i> sp.	threadplant
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
<i>Lonicera subspicata</i> var. <i>denudata</i>	Johnston's honeysuckle
CARYOPHYLLACEAE	PINK FAMILY
<i>Cerastium glomeratum</i> *	mouse-ear chickweed
<i>Herniaria hirsuta</i> var. <i>cinerea</i> *	gray herniaria
<i>Loeflingia squarrosa</i>	California loeflingia

Scientific Name	Common Name
<i>Sagina decumbens</i> ssp. <i>occidentalis</i>	western pearlwort
<i>Silene antirrhina</i>	snapdragon catchfly
<i>Silene gallica</i> *	common catchfly
<i>Silene laciniata</i> ssp. <i>laciniata</i>	southern pink
<i>Silene multinervia</i>	many-nerve catchfly
<i>Spergula arvensis</i> *	stickwort
<i>Spergularia bocconi</i> *	Boccone's sand-spurry
<i>Stellaria media</i> *	common chickweed
CISTACEAE	ROCK-ROSE FAMILY
<i>Helianthemum scoparium</i>	peak rush-rose
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Calystegia macrostegia</i>	morning-glory
<i>Cuscuta californica</i> var. <i>californica</i>	chaparral dodder
<i>Cuscuta subinclusa</i>	canyon dodder
CRASSULACEAE	STONECROP FAMILY
<i>Crassula connata</i>	pygmy-weed
<i>Dudleya edulis</i>	ladies' fingers
<i>Dudleya pulverulenta</i>	chalk dudleya
CUCURBITACEAE	GOURD FAMILY
<i>Cucurbita foetidissima</i>	calabazilla
<i>Cucurbita palmata</i>	coyote melon
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	manroot, wild-cucumber
DATISCEAE	DATISCA FAMILY
<i>Datisca glomerata</i>	durango root
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glandulosa</i> ssp. <i>zacaensis</i>	Zaca Lake manzanita
<i>Arctostaphylos glandulosa</i>	manzanita
<i>Arctostaphylos glauca</i>	big-berry manzanita
<i>Arctostaphylos pungens</i>	point-leaf manzanita
<i>Xylococcus bicolor</i>	mission manzanita
EUPHORBIACEAE	SPURGE FAMILY
<i>Chamaesyce serpyllifolia</i> ssp.	thyme-leaf spurge
<i>Chamaesyce</i> sp.	spurge
<i>Croton californicus</i>	California croton
<i>Croton setigerus</i>	doveweed
<i>Euphorbia peplus</i> *	petty spurge
FABACEAE	LEGUME FAMILY
<i>Astragalus deanei</i>	Deane's locoweed
<i>Astragalus</i> sp.	locoweed
<i>Lathyrus splendens</i>	Campo pea
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	San Diego sweet pea
<i>Lotus argophyllus</i> var. <i>argophyllus</i>	silver-leaf lotus
<i>Lotus grandiflorus</i> var. <i>grandiflorus</i>	grand lotus
<i>Lotus hamatus</i>	grab lotus
<i>Lotus purshianus</i> var. <i>purshianus</i>	Spanish-clover
<i>Lotus salsuginosus</i> var. <i>salsuginosus</i>	alkali lotus
<i>Lotus scoparius</i> var. <i>brevialatus</i>	short-wing deerweed

Scientific Name	Common Name
<i>Lotus scoparius</i> var. <i>scoparius</i>	coastal deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lotus wrangelianus</i>	calf lotus
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus hirsutissimus</i>	stinging lupine
<i>Lupinus sparsiflorus</i>	Coulter's lupine
<i>Lupinus truncatus</i>	collar lupine
<i>Medicago polymorpha</i> *	California burclover
<i>Melilotus indicus</i> *	Indian sweetclover
<i>Trifolium albopurpureum</i> var. <i>albopurpureum</i>	rancheria clover
<i>Trifolium ciliolatum</i>	tree clover
<i>Trifolium depauperatum</i> var. <i>truncatum</i>	dwarf-sack clover
<i>Trifolium hirtum</i> *	rose clover
<i>Trifolium microcephalum</i>	maiden clover
<i>Trifolium obtusiflorum</i>	creek clover
<i>Trifolium variegatum</i>	white-tip clover
<i>Trifolium willdenovii</i>	valley clover
<i>Vicia ludoviciana</i> var. <i>ludoviciana</i>	deer pea vetch
FAGACEAE	OAK FAMILY
<i>Quercus X acutidens</i>	Torrey's scrub oak
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak, encina
<i>Quercus berberidifolia</i>	scrub oak
<i>Quercus engelmannii</i>	Engelmann's oak
GENTIANACEAE	GENTIAN FAMILY
<i>Centaurium venustum</i>	canchalagua
GERANIACEAE	GERANIUM FAMILY
<i>Erodium botrys</i> *	long-beak filaree
<i>Erodium cicutarium</i> *	red-stem filaree
<i>Geranium dissectum</i>	cut-leaf geranium
GROSSULARIACEAE	GOOSEBERRY FAMILY
<i>Ribes indecorum</i>	white-flower currant
HELIOTROPACEAE	HELIOTROPE FAMILY
<i>Heliotropium curassavicum</i>	salt heliotrope
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Emmenanthe penduliflora</i> var. <i>penduliflora</i>	whispering bells
<i>Eriodictyon crassifolium</i> var. <i>crassifolium</i>	felt-leaf yerba santa
<i>Eriodictyon trichocalyx</i> var. <i>lanatum</i>	hairy yerba santa
<i>Eriodictyon trichocalyx</i> var. <i>trichocalyx</i>	shiny-leaf yerba santa
<i>Eucrypta chrysanthemifolia</i>	eucrypta
<i>Nemophila menziesii</i> var. <i>integrifolia</i>	small-flower baby blue eyes
<i>Phacelia brachyloba</i>	short-lobe phacelia
<i>Phacelia cicutaria</i> var. <i>hispida</i>	caterpillar phacelia
<i>Phacelia distans</i>	wild-heliotrope
<i>Phacelia imbricata</i> ssp. <i>patula</i>	Ive's phacelia
<i>Phacelia parryi</i>	Parry's phacelia
<i>Phacelia ramosissima</i>	branching phacelia
LAMIACEAE	MINT FAMILY

Scientific Name	Common Name
<i>Lamium amplexicaule</i> *	henbit
<i>Marrubium vulgare</i> *	horehound
<i>Monardella lanceolata</i>	mustang mint
<i>Salvia apiana</i>	white sage
<i>Salvia clevelandii</i>	fragrant sage
<i>Salvia columbariae</i>	chia
<i>Scutellaria tuberosa</i>	Danny's skullcap
<i>Stachys ajugoides</i> var. <i>rigida</i>	rigid hedge-nettle
<i>Trichostema lanatum</i>	woolly bluecurls
<i>Trichostema parishii</i>	mountain bluecurls
LYTHRACEAE	LOOSESTRIFE FAMILY
<i>Lythrum hyssopifolia</i> *	grass poly
MALVACEAE	MALLOW FAMILY
<i>Fremontodendron californicum</i> ssp. <i>californicum</i>	california fremontia, flannelbush
<i>Fremontodendron mexicanum</i>	mexican flannelbush
<i>Malacothamnus densiflorus</i>	many-flowered bushmallow
<i>Malacothamnus fasciculatus</i>	chaparral bushmallow
<i>Malva parviflora</i> *	cheeseweed
<i>Sidalcea malviflora</i> ssp. <i>sparsifolia</i>	checker-bloom
NYCTAGINACEAE	FOUR O'CLOCK FAMILY
<i>Mirabilis laevis</i> var. <i>crassifolia</i>	coastal wishbone plant
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Camissonia bistorta</i>	California sun cup
<i>Camissonia californica</i>	false-mustard
<i>Camissonia hirtella</i>	field sun cup
<i>Camissonia micrantha</i>	miniature sun cup
<i>Camissonia strigulosa</i>	sandysoil sun cup
<i>Clarkia delicata</i>	delicate/Campo clarkia
<i>Clarkia epilobioides</i>	canyon godetia
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four-spot clarkia
<i>Clarkia similis</i>	canyon clarkia
<i>Epilobium canum</i>	California fuchsia
<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	willow herb
<i>Oenothera elata</i> ssp. <i>hookeri</i>	Hooker's evening-primrose
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja applegatei</i> spp. <i>martinii</i>	desert Indian paintbrush
<i>Castilleja attenuata</i>	valley tassels
<i>Castilleja densiflora</i> ssp. <i>gracilis</i>	Parish's owl's-clover
<i>Castilleja exserta</i> ssp. <i>exserta</i>	purple owl's-clover
<i>Castilleja foliolosa</i>	woolly Indian paintbrush
<i>Castilleja minor</i> ssp. <i>spiralis</i>	California thread-torch
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	dark-tip bird's beak
<i>Orobanche bulbosa</i>	chaparral broom-rape
<i>Orobanche fasciculata</i>	clustered broom-rape
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PAPAVERACEAE	POPPY FAMILY

Scientific Name	Common Name
<i>Dicentra chrysantha</i>	golden ear-drops
<i>Eschscholzia californica</i>	California poppy
<i>Eschscholzia caespitosa</i>	tufted gold-poppy
<i>Meconella denticulata</i>	small-flowered meconella
<i>Papaver californicum</i>	fire poppy
<i>Platystemon californicus</i>	cream cups
<i>Romneya trichocalyx</i>	hairy matilija poppy
PHRYMACEAE	HOPSEED FAMILY
<i>Mimulus aurantiacus</i>	monkey flower
<i>Mimulus brevipes</i>	slope semiphore
<i>Mimulus cardinalis</i>	scarlet monkey flower
<i>Mimulus fremontii</i> var. <i>fremontii</i>	Fremont's monkey flower
<i>Mimulus palmeri</i>	Palomar monkey flower
<i>Mimulus pilosus</i>	downy monkey flower
<i>Mimulus guttatus</i>	seep monkey flower
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum coulterianum</i>	Coulter's snapdragon
<i>Antirrhinum kelloggii</i>	climbing snapdragon
<i>Antirrhinum nuttallianum</i> ssp. <i>nuttallianum</i>	Nuttall's snapdragon
<i>Antirrhinum nuttallianum</i> ssp. <i>subsessile</i>	big-gland Nuttall's snapdragon
<i>Plantago ovata</i>	woolly plantain
<i>Collinsia concolor</i>	southern Chinese houses
<i>Collinsia heterophylla</i>	Chinese houses
<i>Keckiella antirrhinoides</i> var. <i>antirrhinoides</i>	yellow bush penstemon
<i>Keckiella cordifolia</i>	climbing bush penstemon
<i>Keckiella ternata</i> var. <i>ternata</i>	summer bush penstemon
<i>Linaria canadensis</i>	large blue toadflax
<i>Penstemon centranthifolius</i>	scarlet bugler
<i>Penstemon x parishii</i>	Parish's beardtongue
<i>Penstemon spectabilis</i> var. <i>spectabilis</i>	showy penstemon
<i>Plantago erecta</i>	dot-seed plantain
<i>Plantago ovata</i>	woolly plantain
<i>Veronica anagallis-aquatica</i> *	water speedwell
PLATANACEAE	SYCAMORE FAMILY
<i>Platanus racemosa</i>	western sycamore
POLEMONIACEAE	PHLOX FAMILY
<i>Allophyllum gilioides</i>	straggling false-gilia
<i>Allophyllum glutinosum</i>	blue false-gilia
<i>Allophyllum violaceum</i>	violet false-gilia
<i>Eriastrum filifolium</i>	thread-leaf woolly-star
<i>Eriastrum sapphirinum</i> ssp. <i>sapphirinum</i>	sapphire woolly-star
<i>Gilia angelensis</i>	grassland gilia
<i>Gilia capitata</i> ssp. <i>abrotanifolia</i>	ball gilia
<i>Gilia clivorum</i>	purple-spot gilia
<i>Gilia diegensis</i>	San Diego gilia
<i>Leptosiphon pygmaeus</i> ssp. <i>continentalis</i>	pygmy linanthus
<i>Linanthus parviflorus</i>	coast baby-star

Scientific Name	Common Name
<i>Navarretia atractyloides</i>	holly-leaf skunkweed
<i>Navarretia hamata</i> ssp. <i>hamata</i>	hooked skunkweed
<i>Navarretia hamata</i> ssp. <i>leptantha</i>	hooked pincushion plant
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Chorizanthe fimbriata</i> var. <i>fimbriata</i>	fringed spineflower
<i>Chorizanthe leptotheca</i>	Ramona spineflower
<i>Chorizanthe procumbens</i>	prostrate spineflower
<i>Chorizanthe staticoides</i>	turkish rugging
<i>Eriogonum elongatum</i> var. <i>elongatum</i>	tall buckwheat
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	mountain buckwheat
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	coastal California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	inland California buckwheat
<i>Eriogonum gracile</i> var. <i>gracile</i>	slender buckwheat
<i>Eriogonum thurberi</i>	Thurber's buckwheat
<i>Lastarriaea coriacea</i>	lastarriaea
<i>Polygonum lapathifolium</i>	willow smartweed, willow-weed
<i>Pterostegia drymarioides</i>	granny's hairnet
<i>Rumex crispus</i> *	curly dock
<i>Rumex salicifolius</i> var. <i>salicifolius</i>	willow dock
<i>Rumex</i> sp.	dock
PORTULACACEAE	PURSLANE FAMILY
<i>Calandrinia ciliata</i>	red maids
<i>Calyptidium monandrum</i>	common calyptidium
<i>Claytonia parviflora</i>	miner's-lettuce
<i>Claytonia perfoliata</i> ssp. <i>mexicana</i>	Mexican miner's-lettuce
PRIMULACEAE	PRIMROSE FAMILY
<i>Anagallis arvensis</i> *	scarlet pimpernel
<i>Centunculus minimus</i>	common chaffweed
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Clematis pauciflora</i>	ropevine clematis
<i>Delphinium cardinale</i>	cardinal larkspur, scarlet larkspur
<i>Delphinium parryi</i> ssp. <i>parryi</i>	Parry's larkspur
<i>Ranunculus hebecarpus</i>	hairy-fruit buttercup
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	smooth-leaf meadow-rue
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus cuneatus</i>	buck brush
<i>Ceanothus greggii</i> var. <i>perplexans</i>	cup leaf lilac
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Ceanothus oliganthus</i> var. <i>oliganthus</i>	hairy ceanothus
<i>Ceanothus tomentosus</i>	Ramona-lilac
<i>Rhamnus crocea</i>	spiny redberry
<i>Rhamnus ilicifolia</i>	holly-leaf redberry
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Adenostoma sparsifolium</i>	red shank
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	birch-leaf mountain-mahogany
<i>Cercocarpus minutiflorus</i>	san diego mountain-mahogany

Scientific Name	Common Name
<i>Fragaria vesca</i>	California strawberry, woodland strawberry
<i>Heteromeles arbutifolia</i>	toyon
<i>Potentilla glandulosa</i> ssp. <i>glandulosa</i>	sticky cinquefoil
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
<i>Rubus ursinus</i>	California blackberry
RUBIACEAE	MADDER FAMILY
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	narrow-leaf bedstraw
<i>Galium aparine</i>	goose grass
<i>Galium nuttallii</i> ssp. <i>nuttallii</i>	San Diego bedstraw
<i>Galium porrigens</i> var. <i>porrigens</i>	climbing, oval-leaf bedstraw
SALICACEAE	WILLOW FAMILY
<i>Populus fremontii</i> ssp. <i>fremontii</i>	western cottonwood
<i>Salix gooddingii</i>	Goodding's black willow
<i>Salix laevigata</i>	red willow
<i>Salix lasiolepis</i>	arroyo willow
SAXIFRAGACEAE	SAXIFRAGE FAMILY
<i>Jepsonia parryi</i>	coast jepsonia
<i>Lithophragma affine</i>	woodland star
SCROPHULARIACEAE	FIGWORT FAMILY
<i>Scrophularia californica</i> var. <i>floribunda</i>	Califonia bee plant
SIMAROUBACEAE	QUASSIA FAMILY
<i>Ailanthus altissima</i> *	tree of heaven
SOLANACEAE	NIGHTSHADE FAMILY
<i>Datura wrightii</i>	western jimson weed
<i>Nicotiana quadrivalvis</i>	Indian tobacco
<i>Physalis crassifolia</i>	Greene's ground-cherry
<i>Solanum douglasii</i>	Douglas' nightshade
<i>Solanum elaeagnifolium</i> *	white-leaf horse-nettle
<i>Solanum parishii</i>	Parish's nightshade
<i>Solanum xanti</i>	chaparral nightshade
TAMARICACEAE	TAMARISK FAMILY
<i>Tamarix ramosissima</i> .	tamarisk
<i>Tamarix aphylla</i> *	athel
URTICACEAE	NETTLE FAMILY
<i>Hesperocnide tenella</i>	western nettle
<i>Parietaria hespera</i>	pellitory
<i>Urtica dioica</i> ssp. <i>holosericea</i>	hoary nettle
<i>Urtica urens</i> *	dwarf nettle
VISCACEAE	MISTLETOE FAMILY
<i>Phoradendron villosum</i>	oak mistletoe
Note: * Indicates Non-Native Species	

Appendix B11: Tie Line 6926(626) Julian to Boulder Creek Plant Species List

Scientific Name	Common Name
FRESH WATER ALGAE	
CHARACEAE	GREEN ALGAE
<i>Chara</i> sp.*	muskgrass
LYCOPHYTES	
SELAGINELLACEAE	SPIKE-MOSS FAMILY
<i>Selaginella bigelovii</i>	Bigelow's spike-moss
FERNS AND FERN ALLIES	
DENNSTAEDTIACEAE	BRACKEN FAMILY
<i>Pteridium aquilinum</i> var. <i>pubescens</i>	western bracken
DRYOPTERIDACEAE	WOOD FERN FAMILY
<i>Dryopteris arguta</i>	coastal wood fern
<i>Polystichum imbricans</i> ssp. <i>imbricans</i>	imbricate sword fern
EQUISETACEAE	HORSETAIL FAMILY
<i>Equisetum</i> sp.	horsetail
PTERIDACEAE	BRAKE FAMILY
<i>Cheilanthes clevelandii</i> var. <i>clevelandii</i>	Cleveland's lip fern
<i>Pellaea andromedifolia</i>	coffee fern
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's foot cliff-brake
<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	California goldback fern
<i>Pentagramma triangularis</i>	silverback fern
GYMNOSPERMS	
CUPRESSACEAE	CYPRESS FAMILY
<i>Calocedrus decurrens</i>	California incense cedar
PINACEAE	PINE FAMILY
<i>Pinus</i> sp.	pine
<i>Pinus coulteri</i>	Coulter pine
<i>Pinus jeffreyi</i>	Jeffrey pine
<i>Pinus lambertiana</i>	sugar pine
<i>Pinus ponderosa</i>	Pacific ponderosa pine
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Hesperoyucca whipplei</i>	chaparral candle
<i>Yucca schidigera</i>	Mojave yucca
ALLIACEAE	ONION FAMILY
<i>Allium peninsulare</i> var. <i>peninsulare</i>	red-flower onion
<i>Allium</i> sp.	onion
CYPERACEAE	SEDGE FAMILY
<i>Carex</i> sp.	sedge
<i>Cyperus eragrostis</i>	tall flatsedge
<i>Eleocharis macrostachya</i>	pale spike-rush
<i>Eleocharis</i> sp.	spike-rush
HYACINTHACEAE	HYACINTH FAMILY
<i>Chloragalum parviflorum</i>	small-flower soap-plant

Scientific Name	Common Name
IRIDACEAE	IRIS FAMILY
<i>Sisyrinchium bellum</i>	blue-eyed-grass
JUNCACEAE	RUSH FAMILY
<i>Juncus</i> sp.	rush
<i>Juncus arcticus</i> var. <i>mexicanus</i>	Mexican rush
<i>Juncus bufonius</i>	toad rush
<i>Juncus dubius</i>	mariposa rush
<i>Juncus xiphioides</i>	iris-leaf rush
LILIACEAE	LILY FAMILY
<i>Calochortus</i> sp.	mariposa lily
<i>Calochortus albus</i>	white globe lily
<i>Calochortus concolor</i>	golden-bowl mariposa lily
<i>Calochortus splendens</i>	splendid mariposa lily
<i>Lilium</i> sp.	lily
ORCHIDACEAE	ORCHID FAMILY
<i>Piperia</i> sp.	rein orchid
POACEAE	GRASS FAMILY
<i>Achnatherum coronatum</i>	giant stipa
<i>Achnatherum</i> sp.	needlegrass
<i>Agrostis stolonifera</i> *	redtop
<i>Avena barbata</i> *	slender wild oat
<i>Avena fatua</i> *	wild oat
<i>Avena sativa</i> *	cultivated oats
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome
<i>Bromus diandrus</i> *	ripgut grass
<i>Bromus hordeaceus</i> *	soft chess
<i>Bromus japonicus</i> *	Japanese brome
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	foxtail chess
<i>Bromus tectorum</i> *	cheat grass
<i>Calamagrostis koelerioides</i> *	San Diego reedgrass
<i>Cynosurus echinatus</i> .*	hedghegog dogtail
<i>Cynodon dactylon</i> *	Bermuda grass
<i>Elymus elymoides</i> ssp. <i>brevifolius</i>	squirreltail
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wildrye
<i>Gastridium ventricosum</i> *	nit grass
<i>Hordeum brachyantherum</i> ssp. <i>californicum</i>	California barley
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i> *	Mediterranean barley
<i>Hordeum murinum</i> *	hare barley
<i>Hordeum</i> sp.	barley
<i>Koeleria macrantha</i>	Junegrass
<i>Lamarckia aurea</i> *	golden-top
<i>Leymus triticoides</i>	beardless wild-rye
<i>Lolium multiflorum</i> *	Italian ryegrass
<i>Lolium</i> sp.*	ryegrass
<i>Melica imperfecta</i>	coast range melic

Scientific Name	Common Name
<i>Muhlenbergia rigens</i>	deergrass
<i>Nassella cernua</i>	nodding needlegrass
<i>Nassella lepida</i>	foothill needlegrass
<i>Nassella pulchra</i>	purple needlegrass
<i>Paspalum dilatatum</i> *	dallis grass
<i>Phalaris arundinacea</i>	reed canary grass
<i>Phalaris minor</i> *	little-seed canary grass
<i>Phalaris</i> sp.	canary grass
<i>Poa annua</i> *	annual bluegrass
<i>Poa pratensis</i> ssp. <i>pratensis</i>	Kentucky bluegrass
<i>Poa secunda</i> ssp. <i>secunda</i>	one-sided bluegrass
<i>Schismus barbatus</i> *	Mediterranean schismus
<i>Secale cereale</i> *	common rye
<i>Triticum aestivum</i> *	cereal wheat
<i>Vulpia microstachys</i>	fescue
<i>Vulpia myuros</i> var. <i>myuros</i> *	rat-tail fescue
<i>Vulpia myuros</i> var. <i>hirsuta</i> *	hairy rat-tail fescue
<i>Vulpia octoflora</i>	fescue
<i>Vulpia octoflora</i> var. <i>hirtella</i>	tufted fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Bloomeria crocea</i> var. <i>crocea</i>	common goldenstar
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
<i>Dichelostemma capitatum</i> ssp. <i>pauciflorum</i>	few-flower blue dicks
ANGIOSPERMS (EUDICOTS)	
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	blue elderberry
AMARANTHACEAE	AMARANTH FAMILY
<i>Chenopodium album</i> *	lamb's quarters
<i>Chenopodium californicum</i>	California goosefoot
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Rhus ovata</i>	sugar bush
<i>Rhus trilobata</i>	skunkbrush
<i>Toxicodendron diversilobum</i>	poison oak
APIACEAE	CARROT FAMILY
<i>Apiastrum angustifolium</i>	mock-parsley
<i>Conium maculatum</i> *	Common poison hemlock
<i>Daucus pusillus</i>	rattlesnake weed
<i>Lomatium dasycarpum</i> ssp. <i>dasycarpum</i>	woolly-fruit lomatium
<i>Lomatium lucidum</i>	shiny lomatium
<i>Sanicula bipinnatifida</i>	purple sanicle
<i>Sanicula crassicaulis</i>	Pacific sanicle
<i>Sanicula tuberosa</i>	Turkey pea sanicle
<i>Tauschia arguta</i>	southern tauschia
<i>Torilis arvensis</i> *	Japanese hedge-parsley

Scientific Name	Common Name
APOCYNACEAE	DOGBANE FAMILY
<i>Apocynum androsaemifolium</i>	bitter dogbane
<i>Asclepias californica</i>	California milkweed
<i>Asclepias eriocarpa</i>	Indian milkweed
<i>Asclepias fascicularis</i>	narrow-leaf milkweed
ASTERACEAE	SUNFLOWER FAMILY
<i>Achillea millefolium</i>	yarrow
<i>Acourtia microcephala</i>	sacapellote
<i>Agoseris heterophylla</i>	woodland agoseris
<i>Agoseris retrorsa</i>	spear-leaf agoseris
<i>Ambrosia psilostachya</i>	western ragweed
<i>Artemisia californica</i>	coastal sagebrush
<i>Artemisia douglasiana</i>	Douglas mugwort
<i>Artemisia dracunculus</i>	tarragon
<i>Artemisia ludoviciana</i> ssp. <i>ludoviciana</i>	silver wormwood
<i>Baccharis salicifolia</i>	mule-fat
<i>Brickellia californica</i>	California brickellbush
<i>Carduus pycnocephalus</i> *	Italian thistle
<i>Centaurea melitensis</i> *	tocalote
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Matricaria matricarioides</i> *	Common pineapple-weed
<i>Cirsium occidentale</i> var. <i>californicum</i>	California thistle
<i>Cirsium scariosum</i>	bird's-nest thistle
<i>Cirsium vulgare</i> *	bull thistle
<i>Cnicus benedictus</i> *	blessed thistle
<i>Conyza</i> sp.	horseweed
<i>Corethrogyne filaginifolia</i> var. <i>filaginifolia</i>	common sand-aster
<i>Deinandra fasciculata</i>	fascicled tarweed
<i>Dimorphotheca sinuata</i> *	blue-eye cape-marigold
<i>Ericameria linearifolia</i>	interior goldenbush
<i>Ericameria parishii</i> var. <i>parishii</i>	Parish's goldenbush
<i>Ericameria pinifolia</i>	pinebush
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	long-stem golden-yarrow
<i>Eriophyllum wallacei</i>	Wallace's woolly daisy
<i>Filago californica</i>	California filago
<i>Filago gallica</i> *	narrow-leaf filago
<i>Gnaphalium californicum</i>	California everlasting
<i>Gnaphalium luteo-album</i> *	white cudweed
<i>Gnaphalium palustre</i>	lowland cudweed
<i>Gnaphalium stramineum</i>	cotton-batting plant
<i>Gutierrezia californica</i>	California matchweed
<i>Gutierrezia sarothrae</i> .	matchweed
<i>Hazardia squarrosa</i> var. <i>grindelioides</i>	southern sawtooth goldenbush
<i>Helianthus gracilentus</i>	slender sunflower

Scientific Name	Common Name
<i>Heterotheca grandiflora</i>	telegraph weed
<i>Hulsea californica</i>	San Diego hulsea
<i>Hypochaeris glabra</i> *	smooth cat's-ear
<i>Lactuca serriola</i> *	prickly lettuce
<i>Layia platyglossa</i>	tidy tips
<i>Madia elegans</i> ssp. <i>elegans</i>	elegant madia
<i>Madia exigua</i>	pygmy/threadstem madia
<i>Madia gracilis</i>	slender madia
<i>Malacothrix californica</i>	desert dandelion
<i>Malacothrix clevelandii</i>	Cleveland's malacothrix
<i>Micropus californicus</i> var. <i>californicus</i>	slender cottonweed
<i>Osmadenia tenella</i>	southern rosinweed
<i>Pseudognaphalium canescens</i>	everlasting cudweed
<i>Rafinesquia californica</i>	California chicory
<i>Senecio californicus</i>	California butterweed
<i>Senecio vulgaris</i> *	common groundsel
<i>Solidago californica</i>	California goldenrod
<i>Sonchus asper</i> ssp. <i>asper</i> *	prickly sow-thistle
<i>Sonchus oleraceus</i> *	common sow-thistle
<i>Stephanomeria</i> sp.	wreathplant
<i>Stylocline gnaphaloides</i>	everlasting nest-straw
<i>Taraxacum officinale</i> *	common dandelion
<i>Tetradymia comosa</i>	cotton-thorn
<i>Tragopogon dubius</i> *	goat's beard
<i>Uropappus lindleyi</i>	silver puffs
<i>Wyethia ovata</i>	southern mule's ear
BERBERIDACEAE	BARBERRY FAMILY
<i>Berberis dictyota</i>	California barberry
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i>	fiddleneck
<i>Amsinckia menziesii</i> var. <i>intermedia</i>	rancher's fiddleneck
<i>Cryptantha intermedia</i>	nievitas cryptantha
<i>Cryptantha lepida</i>	redroot cryptantha
<i>Cryptantha muricata</i>	prickly cryptantha
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	slender pectocarya
<i>Plagiobothrys collinus</i>	popcornflower
BRASSICACEAE	MUSTARD FAMILY
<i>Arabis glabra</i> var. <i>glabra</i>	tower mustard
<i>Boechera perennans</i>	Nevada rock-cress
<i>Boechera sparsiflora</i> var. <i>arcuata</i>	elegant rock-cress
<i>Caulanthus heterophyllus</i> ssp. <i>heterophyllus</i>	San Diego jewelflower
<i>Erysimum capitatum</i> ssp. <i>capitatum</i>	western wallflower
<i>Guillenia lasiophylla</i>	California mustard
<i>Hirschfeldia incana</i> *	short-pod mustard
<i>Lepidium nitidum</i> var. <i>nitidum</i>	shining peppergrass

Scientific Name	Common Name
<i>Lepidium virginicum</i> var. <i>pubescens</i>	hairy peppergrass
<i>Lepidium</i> sp.	peppergrass
<i>Raphanus sativus</i> *	wild radish
<i>Rorippa</i> sp.	water-cress
<i>Rorippa nasturtium-aquaticum</i>	water-cress
<i>Sisymbrium altissimum</i> *	tumble mustard
<i>Sisymbrium irio</i> *	London rocket
<i>Sisymbrium orientale</i> *	hare's-ear cabbage
<i>Streptanthus bernardinus</i>	Laguna Mountain jewelflower
<i>Thysanocarpus curvipes</i>	fringepod
CACTACEAE	CACTUS FAMILY
<i>Opuntia littoralis</i>	coastal prickly-pear
<i>Opuntia phaeacantha</i>	desert prickly-pear
CAMPANULACEAE	BELLFLOWER FAMILY
<i>Githopsis diffusa</i> ssp. <i>candida</i>	San Gabriel bluecup
<i>Nemacladus pinnatifidus</i>	comb-leaf threadplant
<i>Nemacladus ramosissimus</i>	Nuttall's threadplant
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
<i>Lonicera subspicata</i> var. <i>denudata</i>	Johnston's honeysuckle
<i>Symphoricarpos albus</i> var. <i>laevigatus</i>	common snowberry
<i>Symphoricarpos rotundifolius</i> var. <i>parishii</i>	snowberry
CARYOPHYLLACEAE	PINK FAMILY
<i>Cerastium glomeratum</i> *	mouse-ear chickweed
<i>Herniaria hirsuta</i> var. <i>cinerea</i> *	gray herniaria
<i>Silene antirrhina</i>	snapdragon catchfly
<i>Silene gallica</i> *	common catchfly
<i>Silene laciniata</i> ssp. <i>laciniata</i>	southern pink
<i>Silene</i> sp.	catchfly
<i>Spergularia bocconi</i> *	Boccone's sand-spurry
<i>Stellaria media</i> *	common chickweed
CISTACEAE	ROCK-ROSE FAMILY
<i>Helianthemum scoparium</i>	peak rush-rose
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Calystegia macrostegia</i>	morning-glory
<i>Calystegia occidentalis</i> ssp. <i>fulcrata</i>	western morning-glory
<i>Cuscuta californica</i> var. <i>californica</i>	chaparral dodder
<i>Cuscuta californica</i>	dodder
<i>Cuscuta</i> sp.	dodder
CORNACEAE	DOGWOOD FAMILY
<i>Cornus nuttallii</i>	mountain dogwood
CRASSULACEAE	STONECROP FAMILY
<i>Crassula connata</i>	pygmyweed
<i>Dudleya edulis</i>	ladies' fingers
<i>Dudleya lanceolata</i>	lance-leaved dudleya
<i>Dudleya pulverulenta</i>	chalk dudleya

Scientific Name	Common Name
CUCURBITACEAE	GOURD FAMILY
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	manroot, wild-cucumber
DATISCAEAE	DATISCA FAMILY
<i>Datisca glomerata</i>	durango root
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glandulosa</i>	manzanita
<i>Arctostaphylos glandulosa</i> ssp. <i>adamsii</i>	Laguna Mountain manzanita
<i>Arctostaphylos glauca</i>	big-berry manzanita
<i>Arctostaphylos pringlei</i> ssp. <i>drupacea</i>	pink-bract manzanita
<i>Arctostaphylos pungens</i>	point-leaf manzanita
<i>Pyrola picta</i>	white-vein wintergreen
EUPHORBIACEAE	SPURGE FAMILY
<i>Chamaesyce serpyllifolia</i> ssp. <i>hirtula</i>	hairy thyme-leaf spurge
<i>Croton californicus</i>	California croton
<i>Croton setigerus</i>	dove weed
FABACEAE	LEGUME FAMILY
<i>Amorpha fruticosa</i>	false indigo
<i>Astragalus didymocarpus</i>	two-seeded milkvetch
<i>Astragalus gambelianus</i>	Gambell's locoweed
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	San Diego sweet pea
<i>Lotus argophyllus</i> var. <i>argophyllus</i>	silver-leaf lotus
<i>Lotus crassifolius</i> var. <i>crassifolius</i>	buck lotus
<i>Lotus hamatus</i>	grab lotus
<i>Lotus nevadensis</i> var. <i>nevadensis</i>	Sierra Nevada lotus
<i>Lotus oblongifolius</i> var. <i>oblongifolius</i>	Stream lotus
<i>Lotus purshianus</i> var. <i>purshianus</i>	Spanish clover
<i>Lotus scoparius</i> var. <i>brevialatus</i>	short-wing deerweed
<i>Lotus scoparius</i> var. <i>scoparius</i>	coastal deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lotus strigosus</i>	strigose lotus
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus excubitus</i> var. <i>austromontanus</i>	grape soda lupine
<i>Lupinus hirsutissimus</i>	stinging lupine
<i>Lupinus sparsiflorus</i>	Coulter's lupine
<i>Lupinus truncatus</i>	collar lupine
<i>Medicago polymorpha</i> *	California burclover
<i>Medicago</i> sp.	clover
<i>Melilotus indicus</i> *	Indian sweetclover
<i>Pickeringia montana</i>	chaparral-pea
<i>Trifolium albopurpureum</i> var. <i>albopurpureum</i>	Rancheria clover
<i>Trifolium ciliolatum</i>	tree clover
<i>Trifolium depauperatum</i> var. <i>truncatum</i>	bladder clover
<i>Trifolium hirtum</i> *	rose clover
<i>Trifolium microcephalum</i>	maiden clover
<i>Trifolium obtusiflorum</i>	creek clover

Scientific Name	Common Name
<i>Trifolium variegatum</i>	white-tip clover
<i>Trifolium willdenovii</i>	valley clover
<i>Trifolium</i> sp.	clover
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Vicia ludoviciana</i> var. <i>ludoviciana</i>	deer pea vetch
<i>Vicia villosa</i> *	vetch
FAGACEAE	OAK FAMILY
<i>Quercus</i> X <i>acutidens</i>	oak hybrid
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak, encina
<i>Quercus agrifolia</i> var. <i>oxyadenia</i>	interior coast live oak
<i>Quercus berberidifolia</i>	scrub oak
<i>Quercus chrysolepis</i>	canyon live oak
<i>Quercus engelmannii</i>	Engelmann's oak
<i>Quercus kelloggii</i>	California black oak
<i>Quercus wislizenii</i> var. <i>frutescens</i>	interior live oak
GARRYACEAE	SILK TASSEL FAMILY
<i>Garrya</i> sp.	silk tassel
GENTIANACEAE	GENTIAN FAMILY
<i>Centaurium venustum</i>	canchalagua
<i>Swertia parryi</i>	deer's ears
GERANIACEAE	GERANIUM FAMILY
<i>Erodium botrys</i> *	long-beak filaree
<i>Erodium cicutarium</i> *	red-stem filaree
GROSSULARIACEAE	GOOSEBERRY FAMILY
<i>Ribes indecorum</i>	white-flower currant
<i>Ribes roezlii</i> var. <i>roezlii</i>	Sierra gooseberry
HELIOTROPACEAE	HELIOTROPE FAMILY
<i>Heliotropium curassavicum</i>	salt heliotrope
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Emmenanthe penduliflora</i> var. <i>penduliflora</i>	whispering bells
<i>Eucrypta chrysanthemifolia</i> var. <i>chrysanthemifolia</i>	common eucrypta
<i>Nemophila menziesii</i> var. <i>integrifolia</i>	small-flower baby blue eyes
<i>Nemophila menziesii</i> var. <i>menziesii</i>	Menzies' baby blue eyes
<i>Phacelia brachyloba</i>	short-lobe phacelia
<i>Phacelia cicutaria</i> var. <i>hispida</i>	caterpillar phacelia
<i>Phacelia distans</i>	wild-heliotrope
<i>Phacelia imbricata</i> ssp. <i>patula</i>	imbricate phacelia
<i>Phacelia minor</i>	wild canterbury-bell
<i>Phacelia parryi</i>	Parry's phacelia
<i>Phacelia ramosissima</i>	branching phacelia
<i>Phacelia ramosissima</i> var. <i>latifolia</i>	branching phacelia
<i>Turricula parryi</i>	poodle-dog bush
LAMIACEAE	MINT FAMILY
<i>Marrubium vulgare</i> *	horehound
<i>Mentha spicata</i> var. <i>spicata</i> *	spearmint

Scientific Name	Common Name
<i>Mentha</i> sp.	mint
<i>Monardella nana</i> ssp. <i>nana</i>	yellow monardella
<i>Salvia apiana</i>	white sage
<i>Salvia clevelandii</i>	fragrant sage
<i>Salvia columbariae</i>	chia
<i>Salvia sonomensis</i>	creeping sage
<i>Salvia spathacea</i>	hummingbird sage
<i>Scutellaria tuberosa</i>	Danny's skullcap
<i>Stachys ajugoides</i> var. <i>rigida</i>	rigid hedge-nettle
<i>Trichostema lanceolatum</i>	vinegar weed
<i>Trichostema parishii</i>	mountain bluecurls
LINACEAE	FLAX FAMILY
<i>Hesperolinon micranthum</i>	thread-stem dwarf flax
<i>Linum lewisii</i> var. <i>lewisii</i>	wild flax
LOASACEAE	LOASA FAMILY
<i>Mentzelia</i> sp.	stick-leaf
LYTHRACEAE	LOOSESTRIFE FAMILY
<i>Lythrum hyssopifolia</i> *	grass poly
MALVACEAE	MALLOW FAMILY
<i>Malacothamnus densiflorus</i>	many-flowered mallow
<i>Malacothamnus fasciculatus</i>	chaparral bushmallow
<i>Sidalcea malviflora</i> ssp. <i>sparsifolia</i>	checker-bloom
NYCTAGINACEAE	FOUR O'CLOCK FAMILY
<i>Mirabilis laevis</i> var. <i>crassifolia</i>	coastal wishbone plant
OLEACEAE	OLIVE FAMILY
<i>Fraxinus</i> sp.	ash
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Camissonia bistorta</i>	California sun cup
<i>Camissonia californica</i>	false-mustard
<i>Camissonia hirtella</i>	field sun cup
<i>Camissonia strigulosa</i>	sandysoil sun cup
<i>Clarkia delicata</i>	Campo clarkia
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four-spot clarkia
<i>Clarkia rhomboidea</i>	diamond clarkia
<i>Clarkia similis</i>	canyon clarkia
<i>Epilobium canum</i>	California fuchsia
<i>Epilobium cilatum</i> ssp. <i>ciliatum</i>	willow herb
<i>Gayophytum</i> sp.	gayophytum
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja applegatei</i> ssp. <i>martinii</i>	desert Indian paintbrush
<i>Catilleja attenuata</i>	valley tassels
<i>Castilleja densiflora</i> ssp. <i>gracilis</i>	Parish's owl's-clover
<i>Castilleja exserta</i> ssp. <i>exserta</i>	purple owl's-clover
<i>Castilleja foliolosa</i>	woolly Indian paintbrush
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	dark-tip bird's-beak

Scientific Name	Common Name
<i>Orobanche bulbosa</i>	chaparral broom rape
<i>Orobanche parishii</i> ssp. <i>parishii</i>	Parish's broom rape
OXALIDACEAE	OXALIS FAMILY
<i>Oxalis</i> sp.	sorrel
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PAPAVERACEAE	POPPY FAMILY
<i>Dicentra chrysantha</i>	golden ear-drops
<i>Eschscholzia californica</i>	California poppy
PHRYMACEAE	HOPSEED FAMILY
<i>Mimulus aurantiacus</i>	coast monkey flower
<i>Mimulus brevipes</i>	slope semiphore
<i>Mimulus cardinalis</i>	scarlet monkey flower
<i>Mimulus clevelandii</i>	Cleveland's bush monkey flower
<i>Mimulus floribundus</i>	showy monkey flower
<i>Mimulus fremontii</i> var. <i>fremontii</i>	Fremont monkey flower
<i>Mimulus guttatus</i>	seep monkey flower
<i>Mimulus palmeri</i>	Palomar monkey flower
<i>Mimulus pilosus</i>	downy monkey flower
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum coulterianum</i>	Coulter's snapdragon
<i>Antirrhinum nuttallianum</i> ssp. <i>nuttallianum</i>	Nuttall's snapdragon
<i>Collinsia childii</i>	Child's blue-eyed Mary
<i>Collinsia concolor</i>	southern Chinese houses
<i>Collinsia heterophylla</i>	Chinese houses
<i>Keckiella cordifolia</i>	climbing bush penstemon
<i>Keckiella ternata</i> var. <i>ternata</i>	summer bush penstemon
<i>Penstemon centranthifolius</i>	scarlet bugler
<i>Penstemon heterophyllus</i> var. <i>australis</i>	chaparral penstemon
<i>Penstemon heterophyllus</i> var. <i>heterophyllus</i>	foothill penstemon
<i>Penstemon spectabilis</i> var. <i>spectabilis</i>	showy penstemon
<i>Plantago erecta</i>	dot-seed plantain
<i>Plantago lanceolata</i> *	English plantain, rib-grass
<i>Plantago patagonica</i>	desert plantain
PLATANACEAE	SYCAMORE FAMILY
<i>Platanus racemosa</i>	western sycamore
POLEMONIACEAE	PHLOX FAMILY
<i>Allophyllum gilioides</i>	straggling false-gilia
<i>Allophyllum violaceum</i>	violet false-gilia
<i>Collomia grandiflora</i>	grand collomia
<i>Eriastrum filifolium</i>	Thread-leaf woolly-star
<i>Eriastrum sapphirinum</i>	woolly-star
<i>Eriastrum sapphirinum</i> ssp. <i>sapphirinum</i>	sapphire woolly-star
<i>Gilia angelensis</i>	grassland gilia
<i>Gilia capitata</i> ssp. <i>abrontanifolia</i>	ball gilia

Scientific Name	Common Name
<i>Gilia diegensis</i>	San Diego gilia
<i>Leptosiphon ciliatus</i>	whisker brush
<i>Leptosiphon parviflorus</i>	coast baby-star
<i>Linanthus dianthiflorus</i>	farinose ground pink
<i>Microsteris gracilis</i> ssp. <i>humilis</i>	short-flower slender phlox
<i>Navarretia atractyloides</i>	holly-leaf skunkweed
<i>Navarretia hamata</i> ssp. <i>hamata</i>	hooked skunkweed
<i>Navarretia</i> sp.	navarretia
<i>Saltugilia australis</i>	southern gilia
<i>Saltugilia caruifolia</i>	caraway-leaf gilia
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Chorizanthe fimbriata</i>	spineflower
<i>Chorizanthe fimbriata</i> var. <i>fimbriata</i>	fringed spineflower
<i>Chorizanthe staticoides</i>	turkish rugging
<i>Eriogonum elongatum</i> var. <i>elongatum</i>	tall buckwheat
<i>Eriogonum davidsonii</i>	Davidson's buckwheat
<i>Eriogonum elongatum</i> var. <i>elongatum</i>	tall buckwheat
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	coastal California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	inland California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	mountain California buckwheat
<i>Eriogonum gracile</i> var. <i>gracile</i>	slender buckwheat
<i>Eriogonum thurberi</i>	Thurber's buckwheat
<i>Eriogonum wrightii</i> var. <i>membranaceum</i>	foothill buckwheat
<i>Eriogonum</i> sp.	annual buckwheat
<i>Polygonum arenastrum</i> *	common knotweed
<i>Pterostegia drymarioides</i>	granny's hairnet
<i>Rumex crispus</i> *	curly dock
<i>Rumex salicifolius</i>	willow dock
<i>Rumex salicifolius</i> var. <i>salicifolius</i>	willow dock
<i>Rumex</i> sp.	dock
<i>Sidotheca trilobata</i>	three-lobed starry puncturebract
PORTULACACEAE	PURSLANE FAMILY
<i>Calandrinia ciliata</i>	red maids
<i>Calyptidium monandrum</i>	common calyptidium
<i>Claytonia exigua</i> ssp. <i>exigua</i>	Serpentine Montia
<i>Claytonia parviflora</i> ssp. <i>parviflora</i>	Utah miner's-lettuce
<i>Claytonia parviflora</i>	miner's-lettuce
<i>Claytonia perfoliata</i>	miner's-lettuce
PRIMULACEAE	PRIMROSE FAMILY
<i>Anagallis arvensis</i> *	scarlet pimpernel
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Clematis lasiantha</i>	Pipestem virgin's bower
<i>Clematis pauciflora</i>	ropevine clematis
<i>Clematis</i> sp.	clematis
<i>Delphinium cardinale</i>	scarlet larkspur

Scientific Name	Common Name
<i>Delphinium patens</i> ssp. <i>hepaticoideum</i>	spreading larkspur
<i>Delphinium</i> sp.	larkspur
<i>Ranunculus californicus</i>	California buttercup
<i>Thalictrum fendleri</i>	meadow-rue
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus foliosus</i> var. <i>foliosus</i>	wavy-leaf-lilac
<i>Ceanothus greggii</i> var. <i>perplexans</i>	cup-leaf-lilac
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Ceanothus palmeri</i>	Palmer's-lilac
<i>Rhamnus crocea</i>	spiny redberry
<i>Rhamnus ilicifolia</i>	holly-leaf redberry
<i>Rhamnus pilosa</i>	hairy-leaf redberry
<i>Rhamnus tomentella</i> ssp. <i>tomentella</i>	chaparral coffeeberry
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	birch-leaf mountain-mahogany
<i>Fragaria vesca</i>	California strawberry
<i>Heteromeles arbutifolia</i>	toyon
<i>Horkelia truncata</i>	Ramona horkelia
<i>Potentilla glandulosa</i> ssp. <i>glandulosa</i>	sticky cinquefoil
<i>Potentilla glandulosa</i> ssp. <i>reflexa</i>	Greene's cinquefoil
<i>Prunus emarginata</i>	bitter cherry
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
<i>Rosa californica</i>	California rose
<i>Rubus armeniacus</i>	Himalayan blackberry
<i>Rubus ursinus</i>	California blackberry
RUBIACEAE	MADDER FAMILY
<i>Galium andrewsii</i> ssp. <i>andrewsii</i>	phlox-leaved bedstraw
<i>Galium angustifolium</i>	narrow-leaf bedstraw
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	narrow-leaf bedstraw
<i>Galium aparine</i>	goose grass
<i>Galium nuttallii</i> ssp. <i>nuttallii</i>	San Diego bedstraw
<i>Galium porrigens</i> var. <i>porrigens</i>	climbing/oval-leaf bedstraw
SALICACEAE	WILLOW FAMILY
<i>Populus fremontii</i> ssp. <i>fremontii</i>	western cottonwood
<i>Salix gooddingii</i>	Goodding's black willow
<i>Salix laevigata</i>	red willow
<i>Salix lasiolepis</i>	arroyo willow
SAXIFRAGACEAE	SAXIFRAGE FAMILY
<i>Heuchera rubescens</i> var. <i>versicolor</i>	San Diego alumroot
<i>Lithophragma affine</i>	woodland star
SCROPHULARIACEAE	FIGWORT FAMILY
<i>Scrophularia californica</i> ssp. <i>floribunda</i>	California bee plant
SOLANACEAE	NIGHTSHADE FAMILY
<i>Datura wrightii</i>	western jimson weed

Scientific Name	Common Name
<i>Solanum parishii</i>	Parish's nightshade
<i>Solanum xanti</i>	chaparral nightshade
URTICACEAE	NETTLE FAMILY
<i>Urtica dioica</i> ssp. <i>holosericea</i>	hoary nettle
VALERIANACEAE	VALERIAN FAMILY
<i>Plectritis ciliosa</i> ssp. <i>insignis</i>	long-spur plectritis
VIOLACEAE	VIOLET FAMILY
<i>Viola lobata</i>	violet
<i>Viola pedunculata</i>	Johnny jump-up
<i>Viola pinetorum</i> ssp. <i>pinetorum</i>	grey-leaf yellow violet
VISCACEAE	MISTLETOE FAMILY
<i>Phoradendron macrophyllum</i>	big-leaf mistletoe
Note: * Indicates Non-Native Species	

Appendix B12: Tie Line 682 (Warner Springs/Lake Henshaw) Plant Species List

Scientific Name	Common Name
LYCOPHYTES	
SELAGINELLACEAE	SPIKE-MOSS FAMILY
<i>Selaginella bigelovii</i>	Bigelow's spike-moss
FERNS AND FERN ALLIES	
EQUISETACEAE	HORSETAIL FAMILY
<i>Equisetum laevigatum</i>	smooth scouring-rush
DENNSTAEDTIACEAE	BRACKEN FAMILY
<i>Pteridium aquilinum</i> var. <i>pubescens</i>	western bracken
DRYOPTERIDACEAE	WOOD FERN FAMILY
<i>Dryopteris arguta</i>	coastal wood fern
PTERIDACEAE	BRAKE FAMILY
<i>Pellaea andromedifolia</i>	coffee fern
<i>Pellaea mucronata</i> var. <i>mucronata</i>	bird's foot cliff-brake
<i>Pentagramma triangularis</i>	goldback fern
GYMNOSPERMS	
PINACEAE	PINE FAMILY
<i>Pinus coulteri</i>	Coulter pine
<i>Pinus jeffreyi</i>	yellow pine
<i>Pseudotsuga macrocarpa</i>	big-cone Douglas fir
ANGIOSPERMS (MAGNOLIIDS-LAURALES)	
LAURACEAE	LAUREL FAMILY
<i>Persea americana</i> *	avocado
ANGIOSPERMS (MAGNOLIIDS-PIPERALES)	
SAURURACEAE	LIZARD'S TAIL FAMILY
<i>Anemopsis californica</i>	yerba mansa
ANGIOSPERMS (MONOCOTS)	
AGAVACEAE	AGAVE FAMILY
<i>Dracaena draco</i> *	dragon tree
<i>Hesperoyucca whipplei</i>	chaparral candle
<i>Yucca schidigera</i>	Mojave yucca
ARECACEAE	PALM FAMILY
<i>Camerops</i> sp.*	European fan palm
<i>Phoenix roebelenii</i> *	pygmy date palm
CYPERACEAE	SEDGE FAMILY
<i>Carex praegracilis</i>	cluster field sedge
<i>Carex</i> spp.	sedge
<i>Eleocharis montevidensis</i>	Dombey's spike-rush
<i>Eleocharis</i> sp.	spike-rush
<i>Scirpus microcarpus</i>	small-fruit bulrush
IRIDACEAE	IRIS FAMILY
<i>Sisyrinchium bellum</i>	blue-eyed-grass
JUNCACEAE	RUSH FAMILY
<i>Juncus acutus</i>	spiny rush

Scientific Name	Common Name
<i>Juncus arcticus</i> var. <i>mexicanus</i>	Mexican rush
<i>Juncus bufonius</i>	toad rush
<i>Juncus</i> sp.	rush
<i>Juncus xiphioides</i>	iris-leaf rush
LILIACEAE	LILY FAMILY
<i>Calochortus concolor</i>	golden-bowl mariposa lily
<i>Calochortus splendens</i>	splendid mariposa lily
POACEAE	GRASS FAMILY
<i>Achnatherum coronatum</i>	giant needlegrass
<i>Agrostis viridis</i> *	water beardgrass
<i>Avena barbata</i> *	slender wild oat
<i>Avena fatua</i> *	wild oat
<i>Bambusa multiplex</i> *	hedge bamboo
<i>Brachypodium distachyon</i> *	false-brome
<i>Bromus arizonicus</i>	Arizona chess
<i>Bromus carinatus</i>	California brome
<i>Bromus diandrus</i> *	ripgut grass
<i>Bromus hordeaceus</i> *	soft chess
<i>Bromus japonicus</i> *	Japanese brome
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	foxtail chess
<i>Bromus tectorum</i> *	cheat grass
<i>Cynodon dactylon</i> *	Bermuda grass
<i>Deschampsia danthonioides</i>	annual hairgrass
<i>Distichlis spicata</i>	saltgrass
<i>Elymus glaucus</i>	blue wildrye
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	blue wildrye
<i>Gastridium ventricosum</i> *	nit grass
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i> *	Mediterranean barley
<i>Hordeum murinum</i> *	foxtail barley
<i>Koeleria macrantha</i>	junegrass
<i>Lamarckia aurea</i> *	golden-top
<i>Leymus condensatus</i>	giant wild-rye
<i>Leymus triticoides</i>	beardless wild-rye
<i>Lolium multiflorum</i> *	Italian ryegrass
<i>Melica imperfecta</i>	coast range melic
<i>Muhlenbergia rigens</i>	deergrass
<i>Nassella cernua</i>	nodding needlegrass
<i>Nassella lepida</i>	foothill needlegrass
<i>Nassella pulchra</i>	purple needlegrass
<i>Piptatherum miliaceum</i> *	smilo grass
<i>Poa annua</i> *	annual bluegrass
<i>Polypogon monspeliensis</i> *	annual beard grass
<i>Puccinellia nuttalliana</i>	Nuttall's alkaligrass
<i>Schismus barbatus</i> *	Mediterranean schismus

Scientific Name	Common Name
<i>Vulpia microstachys</i>	small fescue
<i>Vulpia myuros</i> var. <i>myuros</i> *	rat-tail fescue
THEMIDACEAE	BRODIAEA FAMILY
<i>Brodiaea terrestris</i> ssp. <i>kernensis</i>	dwarf brodiaea
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	blue dicks
<i>Dichelostemma capitatum</i> ssp. <i>pauciflorum</i>	few-flower blue dicks
ANGIOSPERMS (EUDICOTS)	
ADOXACEAE	ADOXA FAMILY
<i>Sambucus mexicana</i>	blue elderberry
AMARANTHACEAE	AMARANTH FAMILY
<i>Chenopodium album</i> *	lamb's quarters
<i>Chenopodium californicum</i>	California goosefoot
<i>Salsola tragus</i> *	Russian-thistle
ANACARDIACEAE	SUMAC OR CASHEW FAMILY
<i>Malosma laurina</i>	laurel sumac
<i>Rhus trilobata</i>	skunkbrush
<i>Toxicodendron diversilobum</i>	poison oak
APIACEAE	CARROT FAMILY
<i>Daucus pusillus</i>	rattlesnake weed
<i>Lomatium lucidum</i>	shiny lomatium
<i>Osmorhiza brachypoda</i>	California sweet-cicely
<i>Sanicula bipinnatifida</i>	purple sanicle
<i>Sanicula crassicaulis</i>	Pacific sanicle
APOCYNACEAE	DOGBANE FAMILY
<i>Asclepias californica</i>	California milkweed
<i>Asclepias eriocarpa</i>	Indian milkweed
<i>Asclepias fascicularis</i>	narrow-leaf milkweed
<i>Vinca major</i> *	greater periwinkle
ASTERACEAE	SUNFLOWER FAMILY
<i>Agoseris retrorsa</i>	spear-leaf agoseris
<i>Ambrosia acanthicarpa</i>	annual bur-sage
<i>Ambrosia confertiflora</i>	weak-leaved burweed
<i>Ambrosia psilostachya</i>	western ragweed
<i>Artemisia californica</i>	California sagebrush
<i>Artemisia douglasiana</i>	Douglas mugwort
<i>Artemisia dracunculus</i>	tarragon
<i>Artemisia tridentata</i> ssp. <i>tridentata</i>	big sagebrush
<i>Baccharis pilularis</i>	coyote brush
<i>Baccharis salicifolia</i>	mule-fat
<i>Brickellia californica</i>	California brickellbush
<i>Carduus pycnocephalus</i> *	Italian thistle
<i>Chaenactis artemisiifolia</i>	white pincushion
<i>Chaenactis glabriuscula</i>	yellow pincushion
<i>Chaenactis glabriuscula</i> var. <i>lanosa</i>	woolly pincushion

Scientific Name	Common Name
<i>Cichorium intybus</i> *	Mediterranean chicory
<i>Cirsium occidentale</i> var. <i>californicum</i>	California thistle
<i>Cirsium scariosum</i>	bird's nest thistle
<i>Cirsium vulgare</i> *	bull thistle
<i>Cnicus benedictus</i> *	blessed thistle
<i>Conyza canadensis</i>	horseweed
<i>Corethrogyne filaginifolia</i>	California sand-aster
<i>Corethrogyne filaginifolia</i> var. <i>filaginifolia</i>	common sand-aster
<i>Deinandra fasciculata</i>	fascicled tarweed
<i>Erigeron foliosus</i> var. <i>foliosus</i>	leafy daisy
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	long-stem golden-yarrow
<i>Filago californica</i>	California filago
<i>Filago gallica</i> *	narrow-leaf filago
<i>Gnaphalium californicum</i>	California everlasting
<i>Gnaphalium canescens</i>	felty everlasting
<i>Gnaphalium stramineum</i>	cotton-batting plant
<i>Gutierrezia californica</i>	California matchweed
<i>Gutierrezia sarothrae</i>	broom matchweed
<i>Hazardia squarrosa</i>	southern sawtooth goldenbush
<i>Hedypnois cretica</i> *	Crete hedypnois
<i>Helianthus gracilentus</i>	slender sunflower
<i>Heterotheca grandiflora</i>	telegraph weed
<i>Heterotheca sessiliflora</i>	hairy golden-aster
<i>Heterotheca sessiliflora</i> ssp. <i>echioides</i>	bristly goldenaster
<i>Holocarpa virgata</i> ssp. <i>elongata</i>	graceful tarweed
<i>Hypochaeris glabra</i> *	smooth cat's ear
<i>Lactuca serriola</i> *	prickly lettuce
<i>Lagophylla ramosissima</i> ssp. <i>ramosissima</i>	common hareleaf
<i>Lasthenia gracilis</i>	common goldfields
<i>Machaeranthera juncea</i>	rush chaparral-star
<i>Madia elegans</i>	elegant madia
<i>Madia gracilis</i>	slender madia
<i>Malacothrix californica</i>	desert dandelion
<i>Matricaria matricarioides</i> *	common pineapple-weed
<i>Micropus californicus</i> var. <i>californicus</i>	slender cottonweed
<i>Pseudognaphalium biolettii</i>	bicolor cudweed
<i>Pseudognaphalium canescens</i>	everlasting cudweed
<i>Pseudognaphalium microcephalum</i>	white everlasting
<i>Rafinesquia californica</i>	California chicory
<i>Senecio vulgaris</i> *	common groundsel
<i>Solidago californica</i>	California goldenrod
<i>Sonchus asper</i> ssp. <i>asper</i> *	prickly sow-thistle
<i>Sonchus oleraceus</i> *	common sow-thistle
<i>Stephanomeria</i> sp.	wreathplant

Scientific Name	Common Name
<i>Stylocline gnaphaloides</i>	everlasting nest-straw
<i>Uropappus lindleyi</i>	silver puffs
<i>Wyethia ovata</i>	southern mule's ear
BETULACEAE	BIRCH FAMILY
<i>Alnus rhombifolia</i>	white alder
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia menziesii</i>	common fiddleneck
<i>Amsinckia menziesii</i> var. <i>intermedia</i>	rancher's fiddleneck
<i>Cryptantha intermedia</i>	nievitas cryptantha
<i>Cryptantha micrantha</i>	purple-root cryptantha
<i>Cryptantha lepida</i>	redroot cryptantha
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	slender pectocarya
<i>Pectocarya pencillata</i>	winged pectocarya
<i>Plagiobothrys arizonicus</i>	Arizona popcornflower
<i>Plagiobothrys collinus</i>	popcornflower
<i>Plagiobothrys nothofulvus</i>	rusty popcornflower
<i>Plagiobothrys</i> sp.	popcornflower
BRASSICACEAE	MUSTARD FAMILY
<i>Boechera sparsiflora</i>	rock-cress
<i>Capsella bursa-pastoris</i> *	shepherd's purse
<i>Caulanthus</i> sp.	caulanthus
<i>Descurainia pinnata</i>	western tansy-mustard
<i>Hirschfeldia incana</i> *	short-pod mustard
<i>Lepidium lasiocarpum</i> var. <i>lasiocarpum</i>	sand peppergrass
<i>Lepidium</i> sp.	peppergrass
<i>Rorippa nasturtium-aquaticum</i>	water-cress
<i>Sisymbrium altissimum</i> *	tumble mustard
<i>Sisymbrium officinale</i> *	hedge mustard
<i>Sisymbrium orientale</i> *	hare's-ear cabbage
CACTACEAE	CACTUS FAMILY
<i>Austrocylindropuntia cylindrica</i> *	emerald idol
<i>Opuntia phaeacantha</i>	desert prickly-pear
CAMPANULACEAE	BELLFLOWER FAMILY
<i>Nemacladus ramosissimus</i>	Nuttall's threadplant
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
<i>Lonicera subspicata</i> var. <i>denudata</i>	Johnston's honeysuckle
<i>Symphoricarpos albus</i> var. <i>laevigatus</i>	common snowberry
CARYOPHYLLACEAE	PINK FAMILY
<i>Cerastium glomeratum</i> *	mouse-ear chickweed
<i>Scleranthus annuus</i> ssp. <i>annuus</i> *	German knotgrass
<i>Silene antirrhina</i>	snapdragon catchfly
<i>Silene gallica</i> *	common catchfly
<i>Silene laciniata</i> ssp. <i>laciniata</i>	southern pink
<i>Spergularia bocconi</i> *	Boccone's sand-spurrey

Scientific Name	Common Name
<i>Stellaria media</i> *	common chickweed
CISTACEAE	ROCK-ROSE FAMILY
<i>Helianthemum scoparium</i>	peak rush-rose
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Calystegia macrostegia</i> ssp. <i>tenuifolia</i>	San Diego morning-glory
<i>Calystegia macrostegia</i>	western bindweed
<i>Cuscuta californica</i>	California dodder
CUCURBITACEAE	GOURD FAMILY
<i>Cucurbita foetidissima</i>	calabazilla
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	manroot, wild-cucumber
ERICACEAE	HEATH FAMILY
<i>Arctostaphylos glandulosa</i> ssp. <i>zacaensis</i>	Zaca Lake manzanita
EUPHORBIACEAE	SPURGE FAMILY
<i>Chamaesyce albomarginata</i>	white-margin sandmat
<i>Chamaesyce maculata</i> *	spotted spurge
<i>Chamaesyce</i> sp.	spurge
<i>Croton californicus</i>	California croton
<i>Croton setigerus</i>	doveweed
FABACEAE	LEGUME FAMILY
<i>Amorpha fruticosa</i>	false indigo
<i>Astragalus douglasii</i> var. <i>parishii</i>	Parish's locoweed
<i>Gleditsia triacanthos</i> *	honey locust
<i>Lathyrus vestitus</i>	wild sweet pea
<i>Lathyrus vestitus</i> var. <i>alefeldii</i>	San Diego sweet pea
<i>Lotus argophyllus</i>	silver-leaf lotus
<i>Lotus hamatus</i>	grab lotus
<i>Lotus heermannii</i> var. <i>heermannii</i>	Heermann's lotus
<i>Lotus purshianus</i> var. <i>purshianus</i>	Spanish-clover
<i>Lotus scoparius</i>	deerweed
<i>Lotus scoparius</i> var. <i>scoparius</i>	coastal deerweed
<i>Lotus strigosus</i>	strigose lotus
<i>Lupinus albifrons</i> var. <i>albifrons</i>	silver bush lupine
<i>Lupinus bicolor</i>	miniature lupine
<i>Lupinus excubitus</i> var. <i>austromontanus</i>	grape soda lupine
<i>Lupinus hirsutissimus</i>	stinging lupine
<i>Lupinus sparsiflorus</i>	Coulter's lupine
<i>Lupinus succulentus</i>	arroyo lupine
<i>Lupinus truncatus</i>	collar lupine
<i>Medicago polymorpha</i> *	California burclover
<i>Melilotus albus</i> *	white sweetclover
<i>Melilotus indicus</i> *	Indian sweetclover
<i>Robinia pseudoacacia</i>	black locust
<i>Trifolium albopurpureum</i>	Rancheria clover
<i>Trifolium ciliolatum</i>	tree clover

Scientific Name	Common Name
<i>Trifolium hirtum</i> *	rose clover
<i>Trifolium microcephalum</i>	maiden clover
<i>Trifolium</i> sp.	clover
<i>Trifolium willdenovii</i>	valley clover
<i>Vicia ludoviciana</i> var. <i>ludoviciana</i>	deer pea vetch
<i>Vicia</i> sp.	vetch
<i>Vicia villosa</i> *	winter vetch
FAGACEAE	OAK FAMILY
<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak, encina
<i>Quercus agrifolia</i>	coast live oak
<i>Quercus berberidifolia</i>	scrub oak
<i>Quercus chrysolepis</i>	canyon live oak
<i>Quercus engelmannii</i>	Engelmann's oak
GENTIANACEAE	GENTIAN FAMILY
<i>Centaurium venustum</i>	canchalagua
<i>Swertia parryi</i>	deer's ears
GERANIACEAE	GERANIUM FAMILY
<i>Erodium botrys</i> *	long-beak filaree
<i>Erodium cicutarium</i> *	red-stem filaree
<i>Geranium dissectum</i>	cut-leaf geranium
GROSSULARIACEAE	GOOSEBERRY FAMILY
<i>Ribes indecorum</i>	white-flower currant
<i>Ribes quercetorum</i>	oak gooseberry
HELIOTROPACEAE	HELIOTROPE FAMILY
<i>Heliotropium curassavicum</i>	salt heliotrope
HYDROPHYLLACEAE	WATERLEAF FAMILY
<i>Emmenanthe penduliflora</i>	whispering bells
<i>Phacelia cicutaria</i> var. <i>hispida</i>	caterpillar phacelia
<i>Phacelia distans</i>	wild-heliotrope
<i>Phacelia imbricata</i>	imbricate phacelia
<i>Phacelia parryi</i>	Parry's phacelia
<i>Phacelia ramosissima</i>	branching phacelia
<i>Phacelia ramosissima</i> var. <i>latifolia</i>	branching phacelia
<i>Pholistoma auritum</i> var. <i>auritum</i>	fiesta flower
<i>Turricula parryi</i>	poodle-dog bush
LAMIACEAE	MINT FAMILY
<i>Lamium amplexicaule</i> *	henbit
<i>Marrubium vulgare</i> *	horehound
<i>Salvia apiana</i>	white sage
<i>Salvia columbariae</i>	chia
<i>Stachys ajugoides</i> var. <i>rigida</i>	rigid hedge-nettle
<i>Trichostema lanceolatum</i>	vinegar weed
LYTHRACEAE	LOOSESTRIFE FAMILY
<i>Lythrum hyssopifolia</i> *	grass poly

Scientific Name	Common Name
MALVACEAE	MALLOW FAMILY
<i>Malacothamnus fasciculatus</i>	chaparral bushmallow
<i>Sidalcea malviflora</i> ssp. <i>sparsifolia</i>	checker-bloom
MORACEAE	MULBERRY FAMILY
<i>Ficus carica</i> *	edible fig
MYRTACEAE	MYRTLE FAMILY
<i>Eucalyptus globulus</i> *	blue gum
NYCTAGINACEAE	FOUR O'CLOCK FAMILY
<i>Mirabilis laevis</i>	wishbone bush
<i>Mirabilis laevis</i> var. <i>crassifolia</i>	coastal wishbone plant
OLEACEAE	OLIVE FAMILY
<i>Fraxinus velutina</i>	velvet ash
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Camissonia bistorta</i>	California sun cup
<i>Camissonia californica</i>	false-mustard
<i>Camissonia hirtella</i>	field sun cup
<i>Camissonia strigulosa</i>	sandysoil sun cup
<i>Clarkia epilobioides</i>	canyon godetia
<i>Clarkia purpurea</i>	winecup clarkia
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	four-spot clarkia
<i>Clarkia rhomboidea</i>	diamond clarkia
<i>Clarkia similis</i>	canyon clarkia
<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	willow herb
<i>Oenothera elata</i> ssp. <i>hookeri</i>	Hooker's evening-primrose
<i>Oenothera elata</i>	evening-primrose
OROBANCHACEAE	BROOM RAPE FAMILY
<i>Castilleja densiflora</i> ssp. <i>gracilis</i>	Parish's owl's-clover
<i>Castilleja exserta</i> ssp. <i>exserta</i>	purple owl's-clover
<i>Castilleja foliolosa</i>	woolly Indian paintbrush
<i>Cordylanthus rigidus</i>	bird's beak
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	dark-tip bird's beak
OXALIDACEAE	OXALIS FAMILY
<i>Oxalis albicans</i> ssp. <i>californica</i>	California wood-sorrel
<i>Oxalis</i> sp.	sorrel
PAEONIACEAE	PEONY FAMILY
<i>Paeonia californica</i>	California peony
PAPAVERACEAE	POPPY FAMILY
<i>Dicentra chrysantha</i>	golden ear-drops
<i>Eschscholzia californica</i>	California poppy
<i>Romneya trichocalyx</i>	hairy Matilija poppy
PHYRMACEAE	HOPSEED FAMILY
<i>Mimulus aurantiacus</i>	orange bush monkey flower
<i>Mimulus brevipes</i>	slope semaphore
<i>Mimulus floribundus</i>	showy monkey flower

Scientific Name	Common Name
<i>Mimulus guttatus</i>	seep monkey flower
<i>Mimulus pilosus</i>	downy monkey flower
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Antirrhinum coulterianum</i>	Coulter's snapdragon
<i>Antirrhinum nuttallianum</i> ssp. <i>nuttallianum</i>	Nuttall's snapdragon
<i>Collinsia heterophylla</i>	Chinese houses
<i>Keckiella cordifolia</i>	climbing bush penstemon
<i>Penstemon centranthifolius</i>	scarlet bugler
<i>Penstemon spectabilis</i> ssp. <i>spectabilis</i>	showy penstemon
<i>Plantago ovata</i>	woolly plantain
<i>Plantago patagonica</i>	desert plantain
<i>Veronica anagallis-aquatica</i> *	water speedwell
<i>Veronica</i> sp.	speedwell
PLATANACEAE	SYCAMORE FAMILY
<i>Platanus racemosa</i>	western sycamore
POLEMONIACEAE	PHLOX FAMILY
<i>Allophyllum gilioides</i>	straggling false-gilia
<i>Allophyllum violaceum</i>	violet false-gilia
<i>Eriastrum filifolium</i>	Thread-leaf woolly-star
<i>Eriastrum sapphirinum</i> ssp. <i>sapphirinum</i>	sapphire woolly-star
<i>Gilia angelensis</i>	grassland gilia
<i>Gilia capitata</i>	blue field gilia
<i>Gilia</i> sp.	gilia
<i>Leptosiphon liniflorus</i>	Great Basin linanthus
<i>Leptosiphon parviflorus</i>	coast baby-star
<i>Linanthus dianthiflorus</i>	farinose ground-pink
<i>Navarretia atractyloides</i>	holly-leaf skunkweed
<i>Navarretia</i> sp.	navarretia
<i>Saltugilia australis</i>	southern gilia
POLYGALACEAE	MILKWORT FAMILY
<i>Polygala cornuta</i> var. <i>fishiae</i>	Fish's milkwort
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Chorizanthe fimbriata</i> var. <i>fimbriata</i>	fringed spineflower
<i>Chorizanthe fimbriata</i> var. <i>laciniata</i>	lacinate spineflower
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	knotweed spineflower
<i>Chorizanthe procumbens</i>	prostrate spineflower
<i>Eriogonum elongatum</i> var. <i>elongatum</i>	tall buckwheat
<i>Eriogonum fasciculatum</i>	California buckwheat
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	Inland California buckwheat
<i>Eriogonum gracile</i>	slender buckwheat
<i>Polygonum arenastrum</i> *	common knotweed
<i>Pterostegia drymarioides</i>	granny's hairnet
<i>Rheum</i> sp.*	rhubarb
<i>Rumex conglomeratus</i> *	whorled dock

Scientific Name	Common Name
<i>Rumex crispus</i> *	curly dock
<i>Rumex</i> sp.	dock
PORTULACACEAE	PURSLANE FAMILY
<i>Calandrinia ciliata</i>	red maids
<i>Claytonia perfoliata</i>	miner's-lettuce
PRIMULACEAE	PRIMROSE FAMILY
<i>Anagallis arvensis</i> *	scarlet pimpernel
PUNICACEAE	POMEGRANATE FAMILY
<i>Punica granatum</i> *	pomegranate
RANUNCULACEAE	BUTTERCUP FAMILY
<i>Clematis pauciflora</i>	ropevine clematis
<i>Delphinium patens</i>	spreading larkspur
<i>Thalictrum fendleri</i>	meadow-rue
RHAMNACEAE	BUCKTHORN FAMILY
<i>Ceanothus crassifolius</i>	thick-leaf-lilac
<i>Ceanothus cuneatus</i>	buck brush
<i>Ceanothus leucodermis</i>	chaparral whitethorn
<i>Rhamnus ilicifolia</i>	holly-leaf redberry
<i>Rhamnus pilosus</i>	hairy-leaf redberry
<i>Rhamnus tomentella</i> ssp. <i>tomentella</i>	chaparral coffeeberry
ROSACEAE	ROSE FAMILY
<i>Adenostoma fasciculatum</i>	chamise
<i>Adenostoma sparsifolium</i>	red shank
<i>Cercocarpus betuloides</i> var. <i>betuloides</i>	birch-leaf mountain-mahogany
<i>Cercocarpus minutiflorus</i>	San Diego mountain-mahogany
<i>Heteromeles arbutifolia</i>	toyon
<i>Potentilla glandulosa</i> ssp. <i>reflexa</i>	Greene's cinquefoil
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry
<i>Rosa banksiae</i> *	Lady Banks' rose
<i>Rosa californica</i>	California rose
<i>Rubus ursinus</i>	California blackberry
RUBIACEAE	MADDER FAMILY
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	narrow-leaf bedstraw
<i>Galium angustifolium</i>	narrow-leaf bedstraw
<i>Galium aparine</i>	goose grass
<i>Galium parisiense</i> *	wall bedstraw
<i>Galium porrigens</i> var. <i>porrigens</i>	climbing/oval-leaf bedstraw
RUTACEAE	CITRUS FAMILY
<i>Citrus sinensis</i> *	orange
SALICACEAE	WILLOW FAMILY
<i>Populus fremontii</i>	western cottonwood
<i>Salix exigua</i>	narrow-leaf willow
<i>Salix gooddingii</i>	Goodding's black willow
<i>Salix laevigata</i>	red willow

Scientific Name	Common Name
<i>Salix lasiolepis</i>	arroyo willow
SCROPHULARIACEAE	FIGWORT FAMILY
<i>Scrophularia californica</i> var. <i>floribunda</i>	California bee plant
SIMMONDSIACEAE	JOJOBA FAMILY
<i>Simmondsia chinensis</i>	jojoba
SOLANACEAE	NIGHTSHADE FAMILY
<i>Datura wrightii</i>	western jimson weed
<i>Nicotiana glauca</i> *	tree tobacco
<i>Nicotiana quadrivalvis</i>	Indian tobacco
<i>Solanum parishii</i>	Parish's nightshade
<i>Solanum xanti</i>	chaparral nightshade
STRELITZIACEAE	BIRD OF PARADISE FLOWER FAMILY
<i>Strelitzia nicolai</i> *	bird-of-paradise
STYRACACEAE	STORAX FAMILY
<i>Styrax redivivus</i>	snowdrop bush
TAMARICACEAE	TAMARISK FAMILY
<i>Tamarix</i> sp.	tamarisk
URTICACEAE	NETTLE FAMILY
<i>Urtica dioica</i> ssp. <i>holosericea</i>	hoary nettle
VALERIANACEAE	VALERIAN FAMILY
<i>Plectritis ciliosa</i>	long-spur plectritis
VERBENACEAE	VERVAIN FAMILY
<i>Phyla nodiflora</i> var. <i>nodiflora</i>	garden lippia
VISCACEAE	MISTLETOE FAMILY
<i>Phoradendron macrophyllum</i>	big-leaf mistletoe
VITACEAE	GRAPE FAMILY
<i>Vitis vinifera</i> *	cultivated grape
Note: * Indicates Non-Native Species	



C H A M B E R S G R O U P

APPENDIX C – PHOTOGRAPHS OF SENSITIVE PLANTS OBSERVED

APPENDIX C: Representative Rare Plant Photographs



Photo 1.

San Diego thornmint
(*Acanthimintha ilicifolia*)



Photo 2.

Dean's milkvetch
(*Astragalus deanei*)

Photos Taken by:
2006 Vince Scheidt
(CalPhotos)



Photo 3.

Jacumba milkvetch
(*Astragalus douglasii*
var. *perstrictus*)



Photo 4.
San Diego milkvetch
(*Astragalus oocarpus*)



Photo 5.
Orcutt's brodiaea
(*Brodiaea orcuttii*)

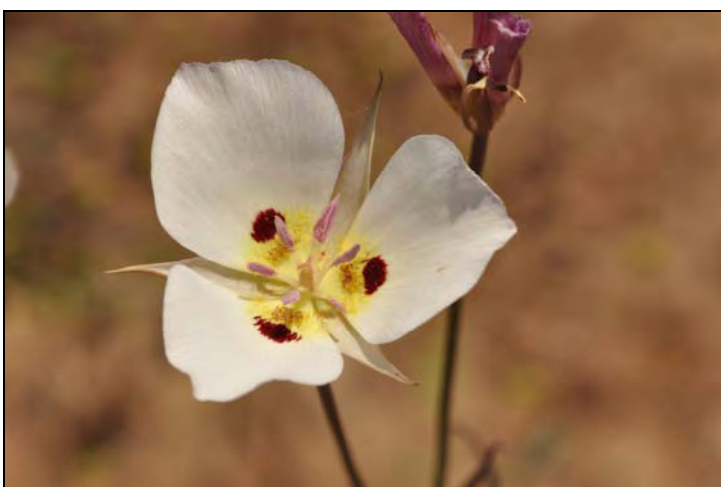


Photo 6.
Dunn's mariposa lily
(*Calochortus dunnii*)



Photo 7.
Payson's jewelflower
(*Caulanthus simulans*)

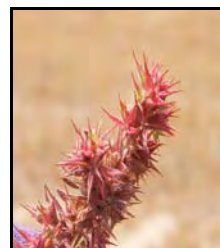


Photo 8.
Long-spined spineflower
(*Chorizanthe polygonoides* var.
longispina)



Photo 9.
Delicate clarkia
(*Clarkia delicata*)



Photo 10.
Cuyamaca cypress
(*Cupressus arizonica* ssp.
arizonica)

Photos Taken by:
(2011) Joey Malone
(CalPhotos)



Photo 11.
Tecate cypress
(*Cupressus forbesii*)

Photos Taken by:
(2009) Anna Bennett
(CalPhotos)



Photo 12.
Tecate tarplant
(*Deinandra floribunda*)



Photo 13.
Vanishing buckwheat
(*Eriogonum evanidum*)



Photo 14.
Ramona horkelia
(*Horkelia truncata*)



Photo 15.
Parish's meadowfoam
(*Limnanthes gracilis* var.
parishii)

Photos taken by:
(2005) Christopher L.
Christie (CalPhotos)



Photo 16.

Orcutt's linanthus
(*Linanthus orcuttii*)



Photo 17.

Laguna Mountains aster
(*Machaeranthera*
asteroides var.
lagunensis)

Photo Taken by:

(2009) Michael L. Charters
(www.calflora.net)



Photo 18.

Felt-leaved monardella
(*Monardella hypoleuca*
var. *lanata*)



Photo 19.

Gander's butterweed
(*Packera* [*Senecio*]
ganderi)



Photo 20.

Moreno currant
(*Ribes canthariforme*)

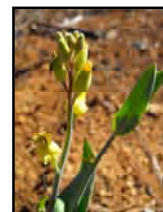


Photo 21.

Laguna Mountains
jewelflower
(*Streptanthus*
bernardinus)



Photo 22.

Southern jewelflower
(*Streptanthus campestris*)



Photo 23.

San Bernardino aster
(*Symphyotrichum*
defoliatum)

Photos Taken by:

(2009) Bob Allen
(CalPhotos)



Photo 24.

Parry's tetracoccus
(*Tetracoccus dioicus*)



Photo 25.
Velvety false-lupine
(*Thermopsis californica*
var. *semota*)

Note: All photos taken by Chambers Group botanists unless otherwise specified.