

**INITIAL MANAGEMENT EVALUATION REPORT
(IMER)**

For

BERGMAN PROPERTY



**Prepared by
Natural Resources Management Section
Riverside County Parks**

November, 2008

**Riverside County
Multi-Species Habitat Conservation Plan
Initial Management Evaluation Report
Habitat Management Unit: Sage**

RESERVE NAME: **SAGE 2**
ACQUISITION NAME: BERGMAN
PROJECT ID NUMBER: RC22000017

1. SITE PHYSICAL DESCRIPTION

1.A. Site Physical Location & Access:

The Bergman site is located north of Bergman Lane, east of Highway 371, south of Highway 371 and west of Sycamore Falls. Access to the site can be obtained directly through Dry Ranch Road, which stems from Highway 371. Access throughout the site can be accomplished by non-four wheel drive vehicles on established trails and afoot in rocky-steep areas. The site is L-shaped and is composed of one parcel totaling 157-acres. The approximate center of the site is located at:

State Plane Coordinates: 6386196E, 2117128N (NAD-83, feet)

UTM Coordinates: 516303E, 3703857N (NAD-27, meters)

Township / Range / Section: T8S, R1W, S13, SW, Beauty Mountain Quad

1.B. APNs & Acreage:

APN	ACRES
581-200-011	157.00
TOTAL	157.00

1.C. Topography:

The majority of the property is comprised of steeply rolling hills with rocks and boulders scattered throughout. There are several distinct ridges and a “blue line” ephemeral drainage (a tributary to Tule Peak) within the property boundary.

1.D. Surrounding Land Use:

The site is surrounded by the natural open-space of the Lake Riverside/Cahuilla Indian Reservation area. Low-density housing can be found throughout the area,

with many of the residences participating in equestrian and/or off-highway vehicle (OHV) activities.

2. BIOLOGICAL ASSESSMENT

2.A. Plant Communities:

The site supports a mixture of chaparral and coast sage scrub plant communities. Plant species documented to occur on-site include: California buckwheat (*Eriogonum fasciculatum*), ceanothus (*Ceanothus spp.*), sugar bush (*Rhus ovata*), deerweed (*Lotus scoparius*) and cactus (*Opuntia and Cylindropuntia spp.*).

2.B. Likely Animal Species:

Given the natural open-space environment and lack of human encroachment, the likelihood of finding species associated with the habitat on-site is very likely. These species could include: mountain lion (*Puma concolor*), bobcat (*Lynx rufus*), coyote (*Canis latrans*), spotted skunk (*Spilogale putorius*), bats (various species), brush rabbit (*Sylvilagus bachmani*), San Diego black-tailed jackrabbit (*Lepus californicus bennettii*), red-diamond rattlesnake (*Crotalus ruber*), California whipsnake (*Masticophis lateralis*), Baja California lyresnake (*Trimorphodon biscutatus lyrophanes*), coastal whiptail (*Aspidoscelis tigris stejnegeri*), coachwhip (*Masticophis flagellum*), side-blotched lizard (*Uta stansburiana*), granite spiny lizard (*Sceloporus orcuttii*), San Diego coast horned lizard (*Phrynosoma coronatum blainvelleriei*), red-tailed hawk (*Buteo jamaicensis*), California thrasher (*Toxostoma redivivum*), California towhee (*Pipilo fuscus*), spotted towhee (*Pipilo maculatus*), wrentit (*Chamaea fasciata*), California quail (*Callipepla californica*) and mourning dove (*Zenaida macroura*).

2.C. Other Habitat or Wildlife Features:

The presence of large boulders and rocky outcrops on-site may provide suitable roosting habitat for several bat species.

2.D. Target Species:

Please see Appendix A for a qualitative checklist of MSHCP target animal species, and Appendix B for plant species.

3. IMPACTS AND CURRENT CONDITIONS

3.A. Current Uses:

The Bergman site is currently not being used and remains in a relatively natural open-space state. Historic use of the site seems to have been minimal due to the natural condition of the site.

3.B. Fencing & Access Controls:

There are three main access points into the Bergman property via dirt roads. The dirt roads are mainly used by vehicles along with some equestrian use.

Access controls, in the form of gates, may be necessary if permitted and/or non-permitted use activities become detrimental to the habitat. The current location of gates that occur within the property can be found in Appendix C – Site Map.

3.C. Off-Road Vehicle (OHV) Use / Damage:

Established OHV trails do exist on-site and further access control concerns may need to be addressed if OHV use is shown to have adverse impacts within the conservation area.

3.D. Illegal Dumping:

An abandoned car was found on-site near one of the drainages. The car has been removed by the previous owner of the property. The property is free of illegal dumping, but illegal dumping does occur relatively frequently within the immediate area.

3.E. Target Shooting & Hunting:

The site is currently not being used for target shooting or hunting; however, such activities do occur within surrounding properties.

3.F. Weed Abatement:

No weed abatement activities are currently required on this site.

3.G. Other Recreational Opportunities and Constraints:

With proper management and funding, opportunities could exist in the future for hiking, nature study, equestrian use, aesthetics and solitude.

3.H. Special Conditions of Purchase:

None Reported.

4. RESTORATION OPPORTUNITIES

4.A. Target Species:

Since the majority of the site is in relatively pristine condition, little restoration opportunities exists.

4.B. Multi-Species Aspects:

None foreseen due to lack of restoration concerns.

5. RERSERVE DESIGN AND CONNECTIVITY

5.A. Boundary, Edge and Community Location:

Due to its relatively large size and various trails/access roads, the site supports a medium degree of edge effects. The majority of the surrounding area is undeveloped open-space land.

5.B. Connectivity:

The Bergman property will help establish Proposed Core Area 7, which will help develop open-space land continuity towards Proposed Core Area 4 to the north, Proposed Core Area 6 to the east, Existing Core L to the south and Existing Core M to the southwest.

5.C. Nearby Existing Reserves:

The Thompson, Jalem, United 5 Star Corp. (U5SC), Kiang and Smith properties are all located within a 2 mile radius of the Bergman property.

5.D. Priority for Future Purchases:

Priority for future purchases should be given to those areas that will most likely be developed in the near future. The areas of most concern are found to the west of the Bergman property, where open-space land is being replaced with housing developments. If concerns are to purchase land in the immediate area, then the parcels between Bergman and the Odegaard, Gambill, Jalem, Bergman, Kiang, U5SC and Smith properties should be a priority. These areas will establish continuity between the parcels and limit the chance of fragmentation from future development, while establishing MSHCP Proposed Core Area 7.

6. INTERIM MANAGEMENT

6.A. Public Issues:

The main priority in initial management should be to adequately assess potential OHV and hunting use in the area. Depending on the assessment, more gates

and/or fencing of dirt roads may be necessary. The closing of dirt roads may not be well accepted by the public.

6.B. Biological Issues:

Currently there are no biological issues. Future concerns may require species composition surveys to better understand the existing biology of the site. The results of the surveys will provide a better understanding of how to further manage the property.

6.C. Recommended Interim Management Scenario:

- 1) Periodically monitor and inspect the site for new OHV trails and document any new disturbances to the land (e.g., trash, shotgun shells etc.).
- 2) Site visits by County Rangers and maintenance crews to establish rapport with the local residences and provide a presence to deter non-permitted use.
- 3) Post low-key signs that identify county ownership and on-site restrictions.

7. MAPS – Appendix C.

8. SITE PHOTOGRAPHS – Appendix D.

COMMON NAME	SCIENTIFIC NAME	HABITAT	NOT PRESENT	NOT LIKELY PRESENT	POSSIBLY PRESENT	LIKELY PRESENT	CONFIRMED PRESENT
INVERTEBRATES							
RIVERSIDE FAIRY SHRIMP	<i>Streptocephalus woottoni</i>	Vernal Pool	✓				
SANTA ROSA PLATEAU FAIRY SHRIMP	<i>Linderiella santarosae</i>	Vernal Pool	✓				
VERNAL POOL FAIRY SHRIMP	<i>Branchinecta lynchi</i>	Vernal Pool	✓				
INSECTS							
QUINO CHECKERSPOT BUTTERFLY	<i>Euphydryas editha quino</i>	Sage Scrub			✓		
DELHI SANDS FLOWER-LOVING FLY	<i>Rhaphiomidas terminus abdominalis</i>	Delhi Sands	✓				
FISH							
ARROYO CHUB	<i>Gila orcuttii</i>	Aquatic	✓				
SANTA ANA SUCKER	<i>Catostomus santaanae</i>	Aquatic	✓				
AMPHIBIANS							
COAST RANGE NEWT	<i>Taricha torosa tarosa</i>	Riparian / Intermittant Streams		✓			
ARROYO TOAD	<i>Bufo californicus</i>	Riparian / Well-watered Streams		✓			
WESTERN SPADEFOOT TOAD	<i>Scaphiopus hammondi</i>	Temp. Pools / Surrounding Uplands		✓			
CALIFORNIA RED-LEGGED FROG	<i>Rana aurora draytonii</i>	Permanent Streams and Rivers	✓				
MOUNTAIN YELLOW-LEGGED FROG	<i>Rana mucosa</i>	Mountain Streams / Rivers / Lakes	✓				
REPTILES							
WESTERN POND TURTLE	<i>Clemmys marmorata pallida</i>	Aquatic	✓				
SAN DIEGO COAST HORNED LIZARD	<i>Phrynosoma coronatum blainvillii</i>	Sage Scrub / Grasslands				✓	
SOUTHERN SAGEBRUSH LIZARD	<i>Sceloporus graciosus vandenburgianus</i>			✓			
GRANITE SPINY LIZARD	<i>Sceloporus orcuttii</i>	Sage Scrub with Rocks				✓	
GRANITE NIGHT LIZARD	<i>Xantusia henshawi henshawi</i>	Rocky sage scrub & chaparral			✓		
ORANGE-THROATED WHIPTAIL	<i>Cnemidophorus hyperythrus beldingii</i>	Sage Scrub			✓		
SAN DIEGO BANDED GECKO	<i>Coleonyx variegatus abbottii</i>	Sage Scrub / Chaparral			✓		
SAN BERNARDINO MOUNTAIN KINGSSNAKE	<i>Lampropeltis zonata parviruba</i>	Upper Elev. Chaparral & Mountains		✓			
SAN DIEGO MOUNTAIN KINGSSNAKE	<i>Lampropeltis zonata pulchra</i>	Upper Elev. Chaparral & Mountains		✓			
SOUTHERN RUBBER BOA	<i>Charina bottae umbratica</i>	Mountains		✓			
NORTHERN RED DIAMOND RATTLESNAKE	<i>Crotalus ruber ruber</i>	Sage Scrub / Chaparral				✓	
BIRDS							
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	Aquatic	✓				
AMERICAN BITTERN	<i>Botaurus lentiginosus</i>	Marsh	✓				
GREAT BLUE HERON	<i>Ardea herodias</i>	Waterways & Surrounding Areas	✓				
BLACK-CROWNED NIGHT HERON	<i>Nycticorax nycticorax</i>	Waterways & Surrounding Areas	✓				
WHITE-FACED IBIS	<i>Plegadis chihi</i>	Waterways & Surrounding Areas	✓				
MOUNTAIN PLOVER	<i>Charadrius montanus</i>	Waterways & Surrounding Areas	✓				
TURKEY VULTURE	<i>Carthartes aura</i>	Cosmopolitan				✓	
GOLDEN EAGLE	<i>Aquila chrysaetos</i>	Cosmopolitan			✓		
BALD EAGLE	<i>Haliaeetus leucocephalus</i>	Lakes	✓				
WHITE-TAILED KITE	<i>Elanus leucurus</i>	Brushy Grassland			✓		
NORTHERN HARRIER	<i>Circus cyaneus</i>	Brushy Grassland			✓		
SHARP-SHINNED HAWK	<i>Accipiter striatus</i>	Woodlands & Surrounding Areas		✓			
COOPER'S HAWK	<i>Accipiter cooperii</i>	Woodlands & Surrounding Areas		✓			
NORTHERN GOSHAWK	<i>Accipiter gentilis</i>	Mountains	✓				
SWAINSON'S HAWK	<i>Buteo swainsoni</i>	Open Country		✓			
FERRUGINOUS HAWK	<i>Buteo regalis</i>	Open Country			✓		
OSPREY	<i>Pandion haliaetus</i>	Lakes	✓				
MERLIN	<i>Falco columbarius</i>	Open Woods & Surrounding Areas	✓				
PRAIRIE FALCON	<i>Falco mexicanus</i>	Open Country		✓			
PEREGRINE FALCON	<i>Falco peregrinus</i>	Open Country Near Wetlands		✓			
MOUNTAIN QUAIL	<i>Oreortyx pictus</i>	Mountains				✓	
WESTERN YELLOW-BILLED CUCKOO	<i>Coccyzus americanus occidentalis</i>	Riparian	✓				
CALIFORNIA SPOTTED OWL	<i>Stryx occidentalis occidentalis</i>	Mountains	✓				
BURROWING OWL	<i>Athene cunicularia hypugaea</i>	Open Country		✓			
BLACK SWIFT	<i>Cypseloides niger</i>	Cliffs Near Water	✓				
WILLIAMSON'S SAPSUCKER	<i>Sphyrapicus thyroideus</i>	Mountains	✓				

DOWNY WOODPECKER	<i>Picoides pubescens</i>	Areas With Trees	✓				
SOUTHWESTERN WILLOW FLYCATCHER	<i>Empidonax traillie extimus</i>	Riparian	✓				
CALIFORNIA HORNED LARK	<i>Eremophila alpestris acta</i>	Open Grasslands & Sage Scrub			✓		
TREE SWALLOW	<i>Tachycineta bicolor</i>	Wooded Areas Near Water	✓				
PURPLE MARTIN	<i>Progne subis</i>	Open Country		✓			
CACTUS WREN	<i>Campylorhynchus brunneicapillus</i>	Sage Scrub With Cactus				✓	
COASTAL CALIFORNIA GNATCATCHER	<i>Poliopitila californica californica</i>	Sage Scrub			✓		
LOGGERHEAD SHRIKE	<i>Lanius lucovicianus</i>	Cosmopolitan			✓		
LEAST BELL'S VIREO	<i>Vireo bellii pusillus</i>	Extensive Riparian		✓			
NASHVILLE WARBLER	<i>Vermivora ruficapilla</i>	Riparian	✓				
YELLOW WARBLER	<i>Dendroica petechia brewsteri</i>	Riparian	✓				
McGILLIVRAY'S WARBLER	<i>Oporornis tolmiei</i>	Riparian	✓				
WILSON'S WARBLER	<i>Wilsonia pusilla</i>	Riparian	✓				
YELLOW-BREASTED CHAT	<i>Icteria virens</i>	Riparian	✓				
GRASSHOPPER SPARROW	<i>Ammodramus savannarum</i>	Grasslands		✓			
BELL'S SAGE SPARROW	<i>Amphispiza belli belli</i>	Chaparral			✓		
SO. CAL. RUFOUS-CROWNED SPARROW	<i>Aimophila ruficeps canescens</i>	Sage Scrub / Chaparral Slopes				✓	
LINCOLN'S SPARROW	<i>Melospiza lincolni</i>	Mountain Bogs & Meadows	✓				
TRICOLORED BLACKBIRD	<i>Agelaius tricolor</i>	Marsh	✓				
MAMMALS							
BOBCAT	<i>Lynx rufus</i>	Cosmopolitan				✓	
MOUNTAIN LION	<i>Felis concolor</i>	Remote Mountainous Areas			✓		
LONG-TAILED WEASEL	<i>Mustela frenata</i>	Open Country			✓		
COYOTE	<i>Canis latrans</i>	Cosmopolitan					✓
BRUSH RABBIT	<i>Sylvilagus bachmani</i>	Chaparral			✓		
SAN DIEGO BLACK-TAILED JACKRABBIT	<i>Lepus californicus bennettii</i>	Open Country			✓		
LOS ANGELES POCKET MOUSE	<i>Perognathus longimembris breviansus</i>	Streambeds & Sandy Areas			✓		
NORTHWESTERN SAN DIEGO POCKET MOUSE	<i>Chaetodipus fallax fallax</i>	Sage Scrub / Chaparral				✓	
AGUNAGA KANGAROO RAT	<i>Dipodomys merriami collinus</i>	Sandy Areas Near Aguanga			✓		
SAN BERNARDINO KANGAROO RAT	<i>Dipodomys merriami parvus</i>	Sandy Areas / San Jacinto River	✓				
DELZURA KANGAROO RAT	<i>Dipodomys simulans</i>	Sage Scrub / Chaparral			✓		
STEPHENS' KANGAROO RAT	<i>Dipodomys stephensi</i>	Open Country			✓		
SAN DIEGO DESERT WOODRAT	<i>Neotoma lepida intermedia</i>	Sage Scrub / Chaparral				✓	
SAN BERNARDINO FLYING SQUIRREL	<i>Glaucomys sabrinus californicus</i>	Mountains	✓				

COMMON NAME	SCIENTIFIC NAME	HABITAT(S)	GENERAL LOCATIONS	NOT PRESENT	NOT LIKELY PRESENT	POSSIBLY PRESENT	LIKELY PRESENT	CONFIRMED PRESENT
beautiful hulsea	<i>Hulsea vestita</i> var. <i>callicarpa</i>	Mid-level mountains	SJMTS	✓				
Brand's phacelia	<i>Phacelia stellaris</i>	Sandy benches	SARIV	✓				
California beardtongue	<i>Penstemon californicus</i>	Mid-level mountains	SJMTS, DVA, SRP			✓		
California bedstraw	<i>Galium californicum</i> var. <i>primum</i>	Upper elevation chaparral	SJMTS, DVA, San Timoteo		✓			
California black walnut	<i>Juglans californica</i> var. <i>californica</i>	Streams	SRP, Pedley	✓				
California muhly	<i>Muhlenbergia californica</i>	Riparian / seeps	Sage area, Prado area, GAV, TEM	✓				
California Orcutt grass	<i>Orcuttia californica</i>	Vernal pools	SALT, SRP, SKUNK	✓				
chickweed oxytheca	<i>Oxytheca caryophylloides</i>	Mountains	SJMTS		✓			
Cleveland's bush monkeyflower	<i>Mimulus clevelandii</i>	Upper elevation chaparral	SAMTS		✓			
cliff cinquefoil	<i>Potentilla rimicola</i>	High elevation rocks	SJMTS	✓				
Coulter's goldfields	<i>Lasthenia glabrata</i> var. <i>coulteri</i>	Alkali vernal plains	SJVAL, Perris Valley, Nichols Rd.	✓				
Coulter's matilija poppy	<i>Romneya coulteri</i>	Dry washes and canyons	GAV, TEM		✓			
Davidson's saltscare	<i>Atriplex sereana</i> var. <i>davidsonii</i>	Alkali vernal plains and pools	SJVAL, Perris Valley, Nichols Rd.	✓				
Englemann oak	<i>Quercus engelmannii</i>	Mesic fans and slopes	SRP, SAMTS, GAV		✓			
Fish's mildwort	<i>Polygala cornuta</i> var. <i>fishiae</i>	Oak riparian woodlands	SRP, SAMTS, Temecula area	✓				
graceful tarplant	<i>Holcarpa virgata</i> elongata	Level grasslands and shrublands	SRP	✓				
Hall's monardella	<i>Monardella macrantha</i> var. <i>hallii</i>	Mountain foothills, dry slopes, ridges	SAMTS, Pine Cove area		✓			
Hammitt's clay-cress	<i>Sibaropsis hammittii</i>	Clay grasslands	SAMTS		✓			
heart-leaved pitcher plant	<i>Lepechinia cardiophylla</i>	Forests	SAMTS	✓				
intermediate mariposa lily	<i>Calochortus weedii</i> var. <i>intermedius</i>	Dry rocky slopes in SS / CHAP, burned areas	SAMTS, DVA, VAIL		✓			
Jaegar's milk-vetch	<i>Astragalus pachypus</i> var. <i>jaegeri</i>	Dry areas	VAIL, Agunaga area, Protrero area			✓		
Johnston's rock cress	<i>Arabis johnstonii</i>	Upper elevation chaparral, forests	SJMTS		✓			
lemon lily	<i>Lilium parryi</i>	Mountain wet places	SJMTS	✓				
little mousetail	<i>Myosaurus minimum</i> apus	Vernal pools, alkali sinks	SALT, SRP, GAV, MARB	✓				
long-spined spine flower	<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	Rocky clay soils	GAV, TEM, SAMTS, SRP			✓		
many-stemmed dudleya	<i>Dudleya multicaulis</i>	Rocky clay soils, outcrops	GAV, TEM			✓		
Mojave tarplant	<i>Deinandra</i> [Hemizonia] <i>mohavensis</i>	Clay or silty streams	SJMTS and foothills		✓			
mud nama	<i>Nama stenocarpum</i>	Marshes	SJRIV near Gilman	✓				
Munz's mariposa lily	<i>Calochortus palmeri</i> var. <i>munzii</i>	Mountains, chaparral	SJMTS		✓			
Munz's onion	<i>Allium munzii</i>	Clay soils in SS / CHAP / Grasslands	GAV, TEM, SAMTS, SKUNK, SKIN		✓			
Nevin'a barberry	<i>Berberis nevinii</i>	Course soils in chaparral	Varies			✓		
ocellated Humboldt lily	<i>Lilium humboldtii</i> ocellatum	Mountain riparian	SAMTS, Palomar Mts.	✓				
Orcutt's brodiaea	<i>Brodiaea orcuttii</i>	Mesic grasslands and pools	SRP	✓				
Palmer's grapplinghook	<i>Harpagonella palmeri</i>	Clay soils in SS / CHAP / Grasslands	varies		✓			
Palomar monkeyflower	<i>Mimulus diffusus</i>	Sandy soils in upper elev. CHAP, forests	SAMTS, SJMTS	✓				
Parish's brittlescale	<i>Atriplex parishii</i>	Alkaine soils	SALT, lower SJRIV	✓				
Parish's meadowfoam	<i>Limnanthes gracilis</i> var. <i>parishii</i>	Ephemeral wetlands	SRP	✓				
Parry's spine flower	<i>Chorizanthe parryi</i> var. <i>parryi</i>	Alluvial scrub	Varies		✓			

APPENDIX B.
Target Plant Species

Payson'r jewelflower	<i>Caulanthus simulans</i>	Pinyon-Juniper, chaparral, sage scrub	Agunaga area		✓			
peninsular spine flower	<i>Chorizanthe leptotheca</i>	Dry open areas	Varies		✓			
Plummer's mariposa lily	<i>Calochortus plummerae</i>	Varies	SJMTS, Jurupa Hills		✓			
prostrate navarretia	<i>Navarretia prostrata</i>	Sage scrub, vernal pools, grasslands	SRP		✓			
prostrate spine flower	<i>Chorizanthe procumbens</i>	Sandy openings in CHAP / SS	SAMTS		✓			
Rainbow manzanita	<i>Arctostaphylos rainbowensis</i>	Iron rich soils in chaparral	SRP, GAV, TEM, Wildomar area		✓			
round-leaved filaree	<i>Erodium macophyllum</i>	Grasslands	GAV, DVA, TEM	✓				
San Diego ambrosia	<i>Ambrosia pumila</i>	Grasslands	Alberhill, Lake Street, SKUNK	✓				
San Diego button-celery	<i>Eryngium aristulatum var. parishii</i>	Vernal pools	SRP	✓				
San Jacinto Mountains bedstraw	<i>Galium angustifolium jacinticum</i>	Forests	SJMTS	✓				
San Jacinto Valley crownscale	<i>Atriplex coronatum var. notatior</i>	Floodplains	MYSTIC, SALT	✓				
San Miguel savory	<i>Satureja chandleri</i>	Varies	SRP	✓				
Santa Ana River woollystar	<i>Eriastrum densifolium sanctorum</i>	Alluvial scrub (immature)	SARIV	✓				
shaggy-haired alumroot	<i>Heuchera hirsutissima</i>	Forests	SJMTS	✓				
slender-horned spine flower	<i>Dodecahema leptoceras</i>	Alluvial scrub (mature)	Indian Creek, VAIL area	✓				
small-flowered microserius	<i>Microserius douglasii var. platycarpha</i>	Clay foothills and grasslands	SRP, Bachelor Mt. area	✓				
small-flowered morning-glory	<i>Convolvulus simulans</i>	Clay and serpentine soils in grasslands	Varies	✓				
smooth tarplant	<i>Centromadia pungens (Hemizonia pungens laevis)</i>	Varies	Varies	✓				
spreading navarretia	<i>Navarretia fossalis</i>	Vernal pools and ditches	SALT, SJRIV	✓				
sticky-leaved dudleya	<i>Dudleya viscida</i>	Rocky canyon slopes	SAMTS		✓			
thread-leaved brodiaea	<i>Brodiaea filifolia</i>	Alkali pools, mesic grasslands	SJRIV, SALT, SRP	✓				
Vail Lake ceanothus	<i>Ceanothus ophiocilius</i>	Dry ridgetops in chaparral	VAIL area		✓			
vernal barley	<i>Hordeum intercedens</i>	Vernal pools and mesic grasslands	SALT, SJRIV	✓				
Wright's trichocoronis	<i>Trichocoronis wrightii var. wrightii</i>	Alkali vernal pools and flats	SJRIV, MYSTIC	✓				
Yucaipa onion	<i>Allium marvinii</i>	Clay soils in chaparral	Beaumont area		✓			

COWTR

DRY RANCH RD



**APPENDIX C. - SITE MAP
BERGMAN PROPERTY
RCC22000017**



PROPERTY BOUNDARY



EPHEMERAL STREAM



GATE LOCATION



BERGMAN LN

APPENDIX D.



Middle of property looking south.



Northern border looking southeast.

APPENDIX D.



Along trail looking towards drainage.



Along trail looking east.