

**INITIAL MANAGEMENT EVALUATION REPORT
(IMER)**

For

JALEM PRODUCTIONS INC. PROPERTY



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

April, 2007

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

RESERVE NAME: **SAGE 2**
ACQUISITION NAME: JALEM PRODUCTIONS INC.
PROJECT ID NUMBER: RC22000039

1. SITE PHYSICAL DESCRIPTION

1.A. Site Physical Location & Access:

The JALEM PRODUCTIONS INC. property consists of twelve separate parcels. From north to south they are: JALEM-A (APN 581-100-006), JALEM-B (581-130-001), JALEM-C (581-130-002), JALEM-D (580-080-012), JALEM-E (580-090-001), JALEM-F (580-090-005), JALEM-G (580-090-006), JALEM-H (581-140-001), JALEM-I (581-140-003), JALEM-J (581-140-008), JALEM-K (581-140-005) and JALEM-L (581-140-006). All twelve parcels lie north of the City of Aguanga, west of the Cahuilla Indian Reservation, east of the City of Sage and north of State Highway 371 and Wilson Valley Road. Access to the site can be obtained directly through a dirt road that stems from State Highway 371. Access throughout the site can be done by non-four wheel drive vehicle on a main road that runs through the middle of the site and afoot in the rocky-steep areas.

The parcels' general locations are:

	UTM	STATE PLAIN	TOWNSHIP / RANGE
PARCEL	(NAD-27, meters)	(NAD-83, feet)	(Cahuilla Mt. & Aguanga Quads)
A	1073357E 3724426N	6384268E 2128195N	T8S, R1E, Sec.1
B	1072840E 3723008N	6382184E 2124253N	T8S, R1E, Sec. 12 NW ¼
C	1073675E 3723082N	6384909E 2124280N	T8S, R1E, Sec. 12, NE ¼
D	1074481E 3723359N	6387555E 2125001N	T8S, R2E, Sec. 7, NW ¼ , NW ¼
E	1074306E 3723094N	6386940E 2124240N	T8S, R2E, Sec. 7, NW ¼ , SW ¼
	UTM	STATE PLAIN	TOWNSHIP / RANGE

PARCEL	(NAD-27, meters)	(NAD-83, feet)	(Cahuilla Mt. & Aguanga Quads)
F	1074322E 3722866N	6386940E 2123438N	T8S, R2E, Sec. 7, NW ¼, SW ¼
G	1074383E 3722906N	6387154E 2123612N	T8S, R2E, Sec. 7, NW ¼, SW ¼
H	1072885E 3722446N	6382157E 2122396N	T8S, R1E, Sec.12, SW ¼, NW¼
I	1073491E 3722471N	6384108E 2122356N	T8S, R1E, Sec.12, SW ¼
J	1074005E 3722646N	6385912E 2122810N	T8S, R1E, Sec.12, SE ¼
K	1073255E 3722104N	6383346E 2121166N	T8S, R1E, Sec.12, SW ¼
L	1073605E 3721986N	6383940E 2120527N	T8S, R1E, Sec.12, SE ¼

1.B. Acreage:

PARCEL A	617.06 Acres
PARCEL B	74.58 Acres
PARCEL C	236.75 Acres
PARCEL D	35.40 Acres
PARCEL E	1.93 Acres
PARCEL F	1.38 Acres
PARCEL G	1.53 Acres
PARCEL H	39.89 Acres
PARCEL I	79.58 Acres
PARCEL J	10.34 Acres
PARCEL K	51.91 Acres
PARCEL L	5.68 Acres
TOTAL	1156.03 Acres

1.C. Topography:

The majority of the property is comprised of gently to steeply rolling hills with large rocks and boulders scattered throughout. A level central plain exists near the middle of the property. There are two major drainages within the property boundary; which start in the north and east, converge near the central plain and continue east. Given the location and topography of the site, the majority of the property is difficult to fully access.

1.D. Surrounding Land Use:

The area surrounding the Jalem property supports the natural open-space environment of the area, which includes some low-density residences. The low-density housing consists primarily of modular homes. Currently, there is one resident who lives in the middle of the Jalem property on a privately owned parcel. Many of the surrounding residents participate in equestrian activities and some off-highway vehicle (OHV) activities.

2. BIOLOGICAL ASSESSMENT

2.A. Plant Communities:

All eleven parcels support a coast-sage scrub/chaparral plant community, mostly comprised of California buckwheat (*Eriogonum fasciculatum*), deer weed (*Lotus scoparius*) and some red-shank/ribbon wood (*Adenostoma sparsifolium*).

A fairly extensive wetland feature (non-tidal marsh) and ephemeral drainage exists in JALEM-C (581-130-002) and JALEM-D (580-080-012). Plants associated with these areas included cat-tail (*Thypha spp.*) and bulrush (*Scirpus spp.*).

In disturbed areas, species composition changes to non-native annual grasses (e.g. *Bromus spp.*) and short-pod mustard (*Hirschfeldia incana*).

2.B. Likely Animal Species:

Given the natural open-space environment and lack of human encroachment, the likelihood of finding species associated with the coast-sage scrub habitat is very high. Potential species could include: mountain lion (*Puma concolor*), bobcat (*Lynx rufus*), coyote (*Canis latrans*), mule deer (*Odocoileus hemionus*), spotted skunk (*Spilogale putorius*), bats (several species), brush rabbit (*Sylvilagus bachmani*), southern Pacific rattlesnake (*Crotalus viridis*), California whipsnake (*Masticophis lateralis*), Baja California lyresnake (*Trimorphodon biscutatus lyrophanes*), western whiptail (*Cnemidophorus tigris*), coachwhip (*Masticophis flagellum*), rosy boa (*Lichanura trivirgata*), southern sagebrush lizard (*Sceloporus graciosus vandenburgianus*), side-blotched lizard (*Uta stansburiana*), granite spiny lizard (*Sceloporus orcuttii*), San Diego horned lizard (*Phrynosoma coronatum blainvelleriei*), red-tailed hawk (*Buteo jamaicensis*), black phoebe (*Sayornis nigricans*), California thrasher (*Toxostoma redivivum*), California towhee (*Pipilo fuscus*), spotted towhee (*Pipilo maculatus*), wrentit (*Chamaea fasciata*), California quail (*Callipepla californica*), and mourning dove (*Zenaida macroura*).

The types and distributions of heteromyids (i.e., kangaroo rats and pocket mice) in the Aguanga area are very complex. Recently, the Pacific kangaroo rat (*Dipodomys agilis*) was split into two distinct species; *D. agilis* apparently inhabiting higher altitude sites, while its congener, the target species Delzura kangaroo rat (*D. simulans*) inhabits lower elevation sites. The use of the *simulans* species designation has now become common within small mammal circles. Additionally the target subspecies Aguanga kangaroo rat (*D. merriami collinus*) is found in the area.

2.C. Other Habitat or Wildlife Features:

The Jalem property serves as important wildlife habitat in the southern section of county. The presence of significant rock outcrops is considered suitable habitat for several bat species.

2.D. Target Species:

A qualified small mammal ecologist should perform a trapping program within the reserve to determine which kangaroo rat and bat species are present.

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 site currently supports one access road, which allows passage from Highway 371 through the property. This main access road is the only way the current resident can access their property. The site remains open and not heavily used and what OHV activities there are, are confined primarily to the main access road.

3.B. Fencing & Access Controls:

The majority of the property is currently not fenced. However, the southern border of the property possesses fencing, which is old and open in some areas. The main access road that stems from State Highway 371 has a metal gate and lock present, which adequately limits access from the south. Access from the north is open and will require a gate similar to the one in the south. The eastern border is not fenced and is coming under pressure from nearby housing and will need to be fenced in the near future. The western border has older fencing along Wilson Valley Road, but is open in some areas. Fencing concerns for the rest of the western border are minimal due to the steep and rocky topography and lack of easy access.

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

Some significant OHV activity occurs within the property, but seems to be limited to established roads and trails. A few sporadic OHV trails can be found near the northeastern portion of the site. Further activity is prevented by the steep/rocky topography and/or dense vegetation.

3.D. Illegal Dumping:

No illegal dumping was noted in any of the parcels, but illegal dumping has been observed to occur throughout the general area.

3.E. Target Shooting & Hunting:

Shooting and hunting activities occur during quail and dove hunting season in the southeast portion of the site. Upland game (e.g., dove and quail) can be found throughout the area. Spent shells can be found in these areas of suitable terrain. Deer hunting activities do not appear to occur on or near the Jalem property.

3.F. Weed Abatement:

Weeds along roadsides will most likely be removed through hand work and/or string trimmers. Major weed abatement maybe needed along the eastern border due the high fuel load in the area and the low-density housing nearby.

3.G. Other Recreational Opportunities and Constraints:

None.

3.H. Special Conditions of Purchase:

Access through the Jalem property, via the main road, authorized for in-holder who resides within APN 581-100-007.

4. RESTORATION OPPORTUNITIES

4.A. Target Species:

Currently, no restoration opportunities are needed or foreseen.

4.B. Multi-Species Aspects:

No aspects foreseen as long as the site remains pristine and there is no increase in human activity or wildfires.

5. RERSERVE DESIGN AND CONNECTIVITY

5.A. Boundary, Edge and Community Location:

Currently, low-density ranchettes are found east of the site. Little edge effects are foreseen due to the large size of the reserve and continuity of the habitat in the area.

5.B. Connectivity:

Collectively, the acquired parcels add to the overall goal of preserving habitat and establishing different core areas. The Jalem property will help establish proposed Core Area 7, which will help develop open-space land continuity towards the Palomar Mountain Range, existing Core Area M to the south, existing Core Area K to the east, existing Core Area L to the southeast and proposed Core Area 4 to the north.

5.C. Nearby Existing Reserves:

The Cordova, S.D.I. Communities, Odegaard, United Five Star Capital Corp., Smith, Kiang and Thompson properties are located within a 3 mile radius of the Jalem reserve.

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 and southwest of the Jalem property where open-space habitat may be replaced with housing developments. If concerns are to purchase habitat in the immediate area, then the open-space parcels between the Jalem, United 5 Star and Cordova properties should be a priority. These areas will establish continuity between the three properties and limit the chance of fragmentation from future development.

6. INTERIM MANAGEMENT

6.A. Public Issues:

The main priority in initial management should be to assess and control OHV and hunting use in the area. This should include the gating and closing of the main

road that leads into the property from the north. The eastern border of the property will also need to be patrolled by District Rangers to ensure that OHV activity does not increase and become rampant. Fencing of this area will need to be done if an increase in OHV activity is observed.

Proper signage should be placed along the eastern border to notify the public of the change in land-use rules.

Patrols of the area should occur once a week. Repairs to any gates or fences should be completed immediately upon discovery.

6.B. Biological Issues:

Given the remoteness of the site and lack of on-site activity there are few biological issues.

6.C. Recommended Interim Management Scenario:

- 1) Install gate and fencing along the northern property boundary securing the main road. These gates should be signed with a moderately aggressive sign. Fencing should be installed across any side roads entering the site, but mainly on the eastern border.
- 2) The property and surrounding area should be patrolled initially every week to determine the reaction of local citizens to the above road closures and to establish rapport with residents. If no significant impacts occur, patrols could be relaxed.
- 3) Maintain fencing and signs as needed.

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 cucularia hypugaea</i>	Open Country			✓		
BLACK SWIFT	<i>Cypseloides niger</i>	Cliffs Near Water	✓				
WILLIAMSON'S SAPSUCKER	<i>Sphyrapicus thyroideus</i>	Mountains		✓			

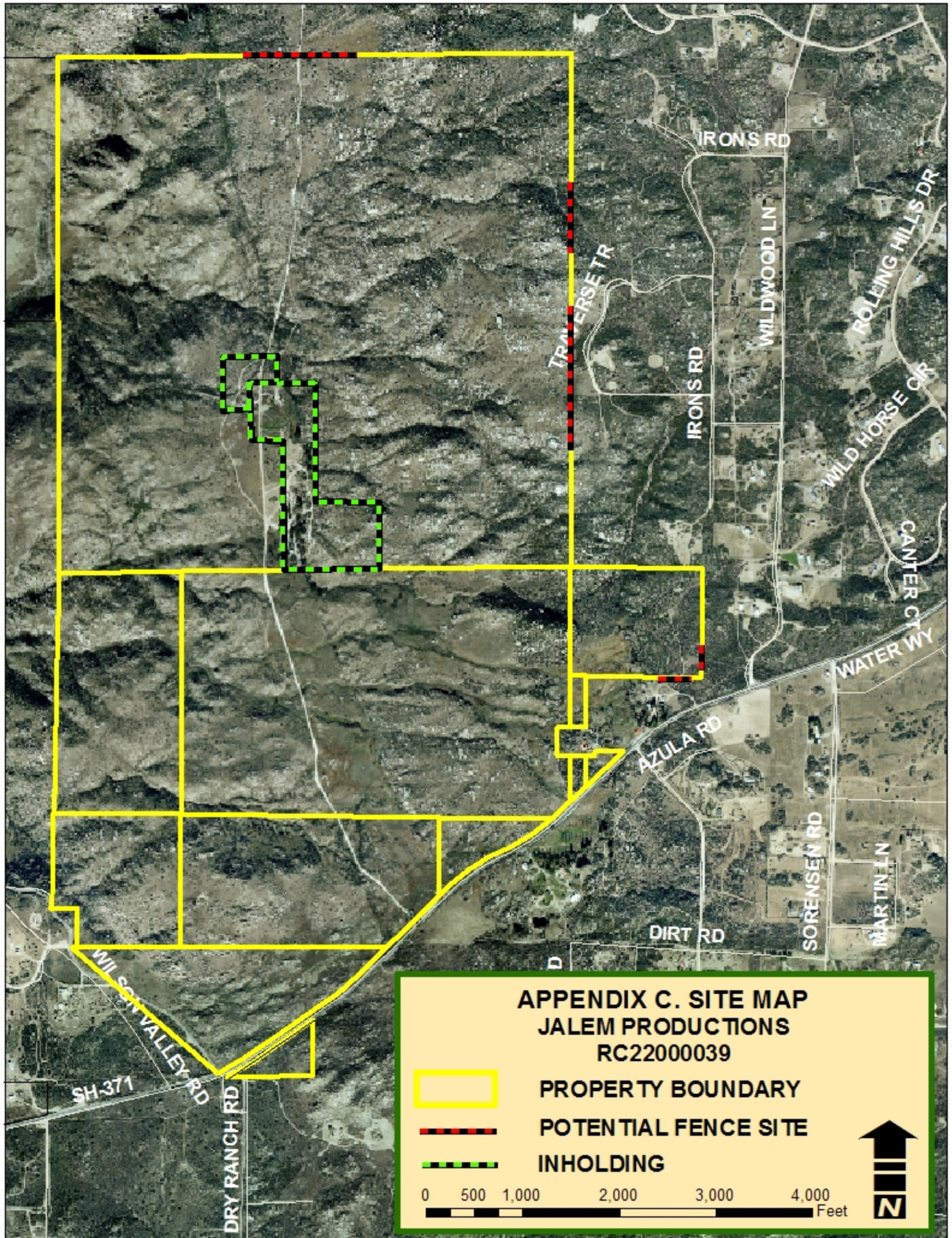
DOWNY WOODPECKER	<i>Picoides pubescens</i>	Areas With Trees	✓				
SOUTHWESTERN WILLOW FLYCATCHER	<i>Empidonax traillie extimus</i>	Riparian		✓			
CALIFORNIA HORNED LARK	<i>Eremophila alpestris acta</i>	Open Grasslands & Sage Scrub			✓		
TREE SWALLOW	<i>Tachycineta bicolor</i>	Wooded Areas Near Water		✓			
PURPLE MARTIN	<i>Progne subis</i>	Open Country			✓		
CACTUS WREN	<i>Campylorhynchus brunneicapillus</i>	Sage Scrub With Cactus		✓			
COASTAL CALIFORNIA GNATCATCHER	<i>Polioptila 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 bellii bellii</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>Puma 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 brevisus</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>Glarycomys sabrinus californicus</i>	Mountains	✓				

APPENDIX B.
Target Plant Species




COMMON NAME	SCIENTIFIC NAME	HABITAT(S)	GENERAL LOCATIONS	NOT	NOT LIKELY	POSSIBLY	LIKELY	CONFIRMED
				PRESENT	PRESENT	PRESENT	PRESENT	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 saltscale	<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>Holocarpa virgata</i> <i>elongata</i>	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		✓			
Hammit's clay-cress	<i>Sibaropsis hammitii</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 mouseltail	<i>Myosaurus minimum</i> <i>apus</i>	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> [<i>Hemizonia</i>] <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> <i>ocellatum</i>	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		✓			
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			✓		

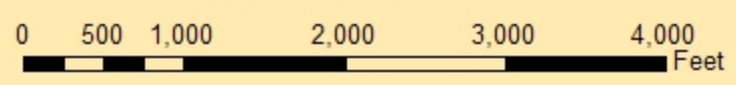
APPENDIX B.
Target Plant Species

prostrate navarretia	<i>Navarretia prostrata</i>	Sage scrub, vernal pools, grasslands	SRP			✓		
prostrate spine flower	<i>Chorizanthe procumbrens</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 macrophyllum</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. platycarpa</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 ophiophilus</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		✓			



**APPENDIX C. SITE MAP
JALEM PRODUCTIONS
RC22000039**

-  **PROPERTY BOUNDARY**
-  **POTENTIAL FENCE SITE**
-  **INHOLDING**



APPENDIX D.



Southern gate looking north.



Parcel A looking southeast.

APPENDIX D.



Southern border looking northeast.



Northern border looking south.

APPENDIX D.



East of main road in the north looking southwest.