

APPENDIX A
PLANTS OBSERVED

APPENDIX A
PLANT SPECIES OBSERVED ON THE MC NALLY ROAD PROPERTY

Family Name	Species Name	Common Name	Habitat
GNETALES			
Anacardiaceae	<i>Malosma laurina</i>	Laurel Sumac	ORCH, SMC
Anacardiaceae	<i>Rhus ovata</i>	Sugar Bush	SMC
Apiaceae	* <i>Foeniculum vulgare</i>	Sweet Fennel	AW, SMC
Asteraceae	<i>Artemisia californica</i>	Coastal Sagebrush	SMC
Asteraceae	<i>Baccharis salicifolia</i>	Mule-fat, Seep-willow	AW
Asteraceae	<i>Gnaphalium californicum</i>	California Everlasting	ORCH
Asteraceae	<i>Gnaphalium stramineum</i>	Cotton-batting Plant	ORCH, SMC
Asteraceae	* <i>Lactuca serriola</i>	Prickly Lettuce	ORCH
Asteraceae	* <i>Picris echioides</i>	Bristly Ox-tongue	AW
Asteraceae	* <i>Sonchus oleraceus</i>	Common Sow-thistle	ORCH
Brassicaceae	* <i>Brassica nigra</i>	Black Mustard	ORCH, SMC
Cactaceae	* <i>Opuntia ficus-indica</i>	Mission Prickly-pear, Indian-fig	ORCH
Caprifoliaceae	<i>Lonicera subspicata</i> var. <i>denudata</i>	Southern Honeysuckle	SMC
Chenopodiaceae	* <i>Salsola tragus</i>	Russian-thistle, Tumbleweed	SMC
Ericaceae	<i>Xylococcus bicolor</i>	Mission Manzanita	SMC
Fabaceae	<i>Lotus scoparius</i> var. <i>scoparius</i>	Coastal Deerweed	SMC
Fagaceae	<i>Quercus agrifolia</i> var. <i>agrifolia</i>	Coast Live Oak	ORCH, AW, SMC
Hydrophyllaceae	<i>Eriodictyon crassifolium</i> var. <i>crassifolium</i>	Yerba Santa	SMC
Lamiaceae	* <i>Marrubium vulgare</i>	Horehound	SMC
Lamiaceae	<i>Salvia columbariae</i>	Chia	SMC
Malvaceae	* <i>Malva parviflora</i>	Cheeseweed	ORCH, SMC
Myrtaceae	* <i>Eucalyptus</i> sp.	Eucalyptus	ORCH
Polygonaceae	<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	California Buckwheat	SMC
Primulaceae	* <i>Anagallis arvensis</i>	Scarlet Pimpernel, Poor Man's Weatherglass	ORCH
Rhamnaceae	<i>Ceanothus tomentosus</i>	Ramona-lilac	SMC
Rosaceae	<i>Adenostoma fasciculatum</i>	Chamise	SMC
Rosaceae	<i>Heteromeles arbutifolia</i>	Toyon, Christmas Berry	SMC
Salicaceae	<i>Salix lasiolepis</i>	Arroyo Willow	AW
Saururaceae	<i>Anemopsis californica</i>	Yerba Mansa	AW

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Scrophulariaceae	<i>Mimulus aurantiacus</i>	Coast Monkey Flower	SMC
Solanaceae	* <i>Nicotiana glauca</i>	Tree Tobacco	ORCH
Tamaricaceae	* <i>Tamarix sp.</i>	Tamarisk, Salt-cedar	AW
ANGIOSPERMS: MONOCOTS			
Agavaceae	<i>Yucca whipplei</i>	Our Lord's Candle	SMC
Arecaceae	* <i>Washingtonia robusta</i>	Mexican Fan Palm	SMC
Typhaceae	<i>Typha domingensis</i>	Southern Cat-Tail	AW
* = Non-native Plant Species, AW= Artificial Wetland, ORCH= Orchard, SMC= Southern Mixed Chaparral			

APPENDIX B

WILDLIFE SPECIES OBSERVED

APPENDIX B

WILDLIFE SPECIES OBSERVED ON THE MC NALLY ROAD PROPERTY (USGS PALA QUAD)

Common Name	Scientific Name	Habitat Observed *	# Observed (estimate)
Insects			
Bee	Family <i>Apidae</i>	ORCH/SMC	MANY
Behr's metalmark	<i>Apodemia mormo virgulti</i>	SMC	1
Buckeye	<i>Junonia coenia</i>	SMC	1
Common white	<i>Pontia protodice</i>	ORCH/SMC	8
Dragonfly	Suborder <i>Anisoptera</i>	ORCH	3
Mourning cloak	<i>Nymphalis antiopa</i>	ORCH	1
Pigmy blue	<i>Brephidium exilis</i>	ORCH/SMC	7
Pigmy sulphur		SMC	1
Trantula hawk	<i>Hemipepsis sp.</i>	ORCH/SMC	3
Western tiger swallowtail	<i>Papilio rutulus</i>	ORCH	3
Reptiles			
Common side-blotched lizard	<i>Uta stansburiana</i>	ORCH	2
Southern alligator lizard	<i>Gerrhonotus multicarinatus</i>	SMC	1
Birds			
American crow	<i>Corvus brachyrhynchos</i>	OH	2
Anna's hummingbird	<i>Calypte anna</i>	SMC	2
Costa's hummingbird	<i>Calypte costae</i>	ORCH	3
Lesser goldfinch	<i>Carduelis psaltria</i>	ORCH	2
Mourning dove	<i>Zenaida macroura</i>	ORCH	1
Northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>	ORCH	5
Red-shouldered hawk	<i>Buteo lineatus</i>	OH	1
Red-tailed hawk	<i>Buteo jamaicensis</i>	OH	3
Red-winged blackbird	<i>Agelaius phoeniceus</i>	ORCH	3
Scrub jay	<i>Aphelocoma californica</i>	SMC	1
Turkey vulture	<i>Cathartes aura meridionalis</i>	OH	1
Mammals			
California ground squirrel	<i>Spermophilus beecheyi nudipes</i>	ORCH	2
Coyote	<i>Canis latrans clepticus</i>	ORCH	1
Mule deer	<i>Odocoileus hemionus fuliginata</i>	ORCH	TRACKS

OH= Overhead, ORCH= Orchard, SMC= Southern Mixed Chaparral

APPENDIX C

**SENSITIVE PLANT SPECIES
WITH THE POTENTIAL TO OCCUR**

APPENDIX C
SENSITIVE SPECIES WITH THE POTENTIAL TO OCCUR WITHIN OR ADJACENT TO
MC NALLY ROAD (USGS PALA QUAD)

Species	Growth form/Bloom Period	CNPS	R-E-D	State	Federal	Potential to Occur Onsite
<i>CHORIZANTHE PROCUMBENS</i> "prostrate spineflower"	Annual herb			None	None	Moderate, appropriate habitat and soils occur onsite and the species is known from the region, but only a limited amount of Southern Mixed Chaparral occurs onsite.
<i>HARPAGONELLA PALMERI</i> "Palmer's grapplinghook"	Annual herb March - May	4	1-2-1	None	SOC	Low, due to lack of appropriate soils and habitat onsite.
<i>HORKELIA CUNEATA</i> SSP. <i>PUBERULA</i> "mesa horkelia"	Perennial herb February - September	1B	2-3-3	None	None	Low, due to lack of appropriate soils and habitat onsite.
<i>NOLINA INTERRATA</i> "Dehesa nolina"	Perennial herb June - July	1B	3-3-2	CE	SOC	Low, due to lack of appropriate soils and habitat, and would have been observable during site visit.
<i>TETRACOCCUS DIOICUS</i> "Parry's tetracoccus"	Shrub (deciduous) April - May	1B	3-2-2	None	SOC	Low, due to lack of appropriate soils and habitat, and would have been observable during site visit.

APPENDIX D

**SENSITIVE WILDLIFE SPECIES
WITH THE POTENTIAL TO OCCUR**

APPENDIX D

**SENSITIVE ANIMAL SPECIES WITH THE POTENTIAL TO OCCUR WITHIN OR ADJACENT TO THE
MC NALLY ROAD PROPERTY (USGS PALA QUAD)**

Common Name	Scientific name	Federal/ State Status	Habitat	Potential On-Site
AMPHIBIANS				
Western spadefoot toad	<i>Scaphiopus hammondi</i>	SOC/CSC	Grassland situations can occasionally occur in valley-foothill hardwood woodlands. Populations may persist a few years in orchard-vineyard habitats; 0-3000ft.	Low, the site has been developed as orchard for greater than ten years.
REPTILES				
Coastal rosy boa	<i>Charina trivirgata roseofusca</i>	SOC/CSC	Coastal sage scrub, mixed chaparral, oak woodlands and chamise chaparral. Often found in association with rock outcrops; 0-6800 ft.	Moderate, a limited amount of appropriate habitat occurs onsite.
Coast patch-nosed snake	<i>Salvadora hexalepis virgulata</i>	SOC/CSC	Grass, chaparral, woodland, desert and coastal sage scrub. Found near rock outcrops with adjacent seasonal drainages; 0-3000ft.	Moderate, a limited amount of appropriate habitat occurs onsite.
Northern red diamond rattlesnake	<i>Crotalus ruber ruber</i>	SOC/CSC	Coastal sage scrub, mixed chaparral, open grassy areas and agricultural areas, chamise chaparral, pinon juniper and desert scrub; 0-3000ft.	High, appropriate habitat occurs onsite.
Orange-throated whiptail	<i>Cnemidophorus hyperythrus</i>	SOC/CSC Protected	Can be found in coastal sage scrub, mixed chaparral, grassland, riparian, and chamise chaparral habitats. Open hillsides with brush and rock, well drained soils; 0-1000ft.	Low, the site occurs above the appropriate elevation for this species to occur.
San Diego banded gecko	<i>Coleonyx variegatus abbotti</i>	SOC/--	This species is uncommon in coastal scrub and chaparral mostly occurring in granite or rocky out crops in this habitat (Zeiner <i>et. al.</i> 1988).	Low, no suitable habitat occurs onsite.
San Diego horned lizard	<i>Phrynosoma coronatum blainvillei</i>	SOC/CSC	Occurs in valley-foothill hardwood, conifer and riparian habitats, as well as in pine-cypress, juniper and annual grass habitats; needs open areas for basking, ants and other insect prey. 0-8000ft.	Low, a minimal amount of habitat occurs onsite.
San Diego ringneck snake	<i>Diadophis punctatus similis</i>	County Sensitive	Coastal sage scrub, mixed chaparral, riparian, oak woodlands, chamise chaparral, mixed conifer, closed cone forest in moist micro-habitats. Can be found on surface during winter after rainfalls or during spring; 0 -7200 ft.	High, appropriate habitat occurs onsite.
Silvery legless lizard	<i>Anniella pulchra pulchra</i>	SOC/CSC	Coastal sage scrub, grassland, riparian and coastal desert dunes. Found in sandy loam and areas of accumulated leaf litter beneath shrubs and trees in moist micro-habitats; 0 to 5000 ft.	Moderate, suitable habitat occurs onsite.

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Common Name	Scientific name	Federal/ State Status	Habitat	Potential On-Site
MAMMALS				
American badger	<i>Taxidea taxus</i>	--/CSC	This species is most abundant in drier open stages of most shrub, forest, and herbaceous habitats; 0 to over 3000ft.	Low, no suitable habitat occurs onsite.
Big free-tailed bat	<i>Nyctinomops macrotis</i>	--/CSC	This species is found in a variety of plant associations including desert scrub, various woodlands and coniferous forests. Is a colonial roosting species that is typically found in crevices of rugged cliffs and high, rocky outcrops; 0 to 3000ft.	Low, due to lack of suitable roosting habitat onsite.
California leaf-nosed bat	<i>Macrotus californicus</i>	SOC/CSC Sensitive	Coastal sage scrub, mixed chaparral, riparian, desert scrub and wash. Roosts in buildings and mines in buildings and mines; 0-1000ft.	Low, due to lack of suitable roosting habitat and appropriate elevation onsite.
Dulzura California pocket mouse	<i>Chaetodipus californicus femoralis</i>	SOC/CSC	Occupies coastal sage scrub, mixed chaparral, oak woodland, chamise chaparral, and mixed conifer habitats; 0 to over 3000ft.	High, appropriate habitat occurs onsite.
Greater western mastiff bat	<i>Eumops perotis californicus</i>	SOC/CSC	Open semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, annual and perennial grasslands, palm oases, chaparral, desert scrub, and urban. Crevices in cliff faces, high buildings, trees, and tunnels are required for roosting; 500-3000ft.	Low, due to lack of suitable roosting habitat onsite.
Los Angeles little pocket mouse	<i>Perognathus longimembris brevinasus</i>	SOC/CSC	Los Angeles Pocket mouse is restricted to lower elevation grasslands and Coastal Sage associations in the Los Angeles Basin; 0-1000ft.	Low, no suitable habitat occurs onsite and the elevation is too low.
Mountain Lion	<i>Felis concolor</i>	County Sensitive	Species found in a variety of different habitats from desert to coast range forest; 0 to 10,000ft.	High, appropriate habitat occurs onsite.
Northwestern San Diego pocket mouse	<i>Chaetodipus fallax fallax</i>	SOC/CSC	Nocturnal. Found in coastal sage scrub and mixed and chamise chaparral. Seeks cover in rocky/gravelly areas with a yucca overstory; 500-3000ft	Low, no suitable habitat occurs onsite.
Pallid bat	<i>Antrozous pallidus</i>	--/CSC	Coastal sage scrub, mixed chaparral, oak woodlands, chamise chaparral, desert wash and desert scrub. Prefers snags (especially oak), rocky outcrops, cliffs and crevices with access to open habitats for foraging; 0-6000ft.	Low, due to lack of suitable roosting habitat onsite.

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Pocketed free-tailed bat	<i>Nyctinomops femorosaccus</i>	--/CSC	This species is found in a variety of plant associations including desert scrub, coastal scrub and pine oak woodlands. Is a colonial roosting species that is typically found in crevices of rugged cliffs and high, rocky outcrops; 0 to 3000ft.	Low, due to lack of suitable roosting habitat onsite.
San Diego black-tailed jackrabbit	<i>Lepus californicus bennetti</i>	SOC/CSC	Coastal sage scrub, mixed chaparral, oak woodlands, chamise chaparral, mixed conifer, and closed cone forest and open areas. Common in irrigated pastures and row crops; 0 to over 3000ft.	Moderate, suitable habitat occurs onsite.
San Diego desert woodrat	<i>Neotoma lepida intermedia</i>	SOC/CSC	Nocturnal in coastal sage scrub, desert, oak woodlands, chamise chaparral and rocks in moderate to dense vegetation. Most abundant in rocky areas -- prefers rock outcrops and crevices for nest sites, but also builds nests in low branches of trees. 500-3000ft.	Low, no woodrat nests were observed during the site visit.
Southern grasshopper mouse	<i>Onychomys torridus ramona</i>	SOC/CSC	Nocturnal in coastal sage scrub, mixed chaparral, grassland, and chamise chaparral. Low to moderate shrub cover is preferred; 500-3000ft.	Moderate, the habitat onsite is dense.
Stephen's Kangaroo Rat	<i>Dipodomys stephensi</i>	FE/ST	Occurs primarily in annual and perennial grassland habitats, but may occur in coastal sage scrub with sparse canopy cover, or in disturbed areas. Sparse perennial vegetation with sandy or gravelly soil.	Low, not expected due to lack of suitable habitat.
Yuma myotis	<i>Myotis yumanensis</i>	SOC/CSC	Mixed chaparral, riparian, oak woodland and pinon juniper. Optimal habitats are open forests and woodlands with sources of water over which to feed; roosts in buildings, mines, caves, bridges, crevices, and abandoned swallow nests. Sea level to 11,000 feet, but uncommon above 8000 feet.	Low, due to lack of suitable roosting habitat onsite.
BIRDS				
Bell's sage sparrow	<i>Amphispiza belli belli</i>	SOC/CSC	Coastal sage scrub, mixed and chamise chaparral. Nests well hidden in sagebrush or other scrub; 0-3000ft.	Moderate, suitable habitat occurs onsite.
California gnatcatcher	<i>Polioptila californica californica</i>	FT/CSC	Most numerous in low, dense coastal sage scrub habitat of coastal hills.	Low, due to lack of appropriate habitat onsite.

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Common Name	Scientific name	Federal/ State Status	Habitat	Potential On-Site
Cooper's Hawk	<i>Accipiter cooperi</i>	--/CSC (nesting)	Uncommon migrant and winter visitor, rare summer resident, during migration and winter found throughout SD County. Found in oak woodlands or edges of woods, nests in tall trees.	Moderate, suitable habitat occurs onsite.
Golden eagle	<i>Aquila chrysaetos canadensis</i>	--/CSC Fully protected	Mountains, foothills, and adjacent grassland, open areas and canyons; 0-11,500 ft. (nesting/wintering)	High, open canyons occur onsite.
Loggerhead shrike	<i>Lanius ludovicianus</i>	SOC/CSC	Roadside vegetation, thickets, savanna, coastal sage scrub, grasslands, riparian, oak woodlands and desert scrub and wash or any open country with high perches as lookouts; 0-3000ft.	Moderate, suitable habitat occurs onsite.
Northern harrier	<i>Curcus cyaneus hudsonius</i>	--/CSC	Grasslands and salt, alkali and freshwater marshes; 0-1000ft. Nests on ground in shrubby vegetation, usually emergent wetlands or along rivers or lakes. May also nest in grasslands, grain fields, or on sagebrush flats several miles from water.	Low, no suitable habitat occurs onsite.
Rufous-crowned sparrow	<i>Aimophila ruficeps canescens</i>	SOC/CSC	Favors steep and rocky coastal sage scrub. Also seeks scattered grass in sage scrub and colonizes grass that grows as a successional stage following brush fires (Unitt 1984).	Low, due to lack of appropriate habitat onsite.
Sharp-shinned hawk (nesting)	<i>Accipiter striatus</i>	--/CSC	Open woodlands, residential, larger trees for nesting. Uncommon migrant and winter visitor, casual summer visitor; nesting has not been documented in San Diego County	Low, due to lack of appropriate habitat onsite.

* = Appendix E -

Sensitivity Codes

APPENDIX E
SENSITIVITY CODES

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FEDERAL SPECIES DESIGNATIONS (USFWS 2001)

Category

FE	Federal Endangered species
FT	Federal Threatened species
FPE	Taxa proposed to be listed as Endangered.
FPT	Taxa proposed to be listed as Threatened.
SOC	Species of Concern (former Candidate Species)

STATE SPECIES DESIGNATIONS (CDFG 2000)

Category

SE	State listed as Endangered.
ST	State listed as Threatened.
SR	State-listed Rare
SCE	State candidate for listing as Endangered.
SCT	State candidate for listing as Threatened.
CSC	CDFG "Species of Special Concern".

CALIFORNIA NATIVE PLANT SOCIETY DESIGNATIONS (CNPS 2003)

The CNPS Lists

List 1	Plants of highest priority.
1A	Plants presumed extinct in California.
1B	Plants rare, threatened or endangered in California and elsewhere.
List 2	Plants rare, threatened or endangered in California, but more common elsewhere.
List 3	Plants about which we need more information. (A Review List)
List 4	Plants of limited distribution (A Watch List).

The R-E-D Code

R (Rarity)

- 1 Rare, but found in sufficient numbers and distributed widely enough that the potential for extinction is low at this time.
- 2 Distributed in a limited number of occurrences, occasionally more if each occurrence is small.
- 3 Distributed in one to several highly restricted occurrences, or present in such small numbers that it is seldom reported.

E (Endangerment)

- 1 Not endangered.
- 2 Endangered in a portion of its range.
- 3 Endangered throughout its range.

D (Distribution)

- 1 More or less widespread outside California.
- 2 Rare outside California.
- 3 Endemic to California.

APPENDIX F

CNDDDB

Mail to:
 California Natural Diversity Database
 Department of Fish and Game
 1807 13th Street, Suite 202
 Sacramento, CA 95814
 Fax: (916) 324-0475 email: WHDAB@dfg.ca.gov

For Office Use Only

Source Code _____ Quad Code _____
 Elm Code _____ Occ. No. _____
 EO Index No. _____ Map Index No. _____

Date of Field Work mm/dd/yyyy: 06/08/2005

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Buteo lineatus*

Common Name: Red-shouldered hawk

Species Found? Yes No _____
If not, why?

Total No. Individuals 1 Subsequent Visit? yes no
Is this an existing NDDDB occurrence? no unk.
Yes, Occ. #

Collection? If yes: _____
Number Museum / Herbarium

Reporter: Sara Thorne
Address: 4215 Spring Street, Suite 321, La Mesa,
CA 91941
E-mail Address: Sara@rcbio.com
Phone: (619) 463-1072

Plant Information

Phenology: _____ % vegetative _____ % flowering _____ % fruiting

Animal Information

1
 # adults # juveniles # larvae # egg masses # unknown
 breeding wintering burrow site rookery nesting other

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

County: San Diego Landowner / Mgr.: Private
 Quad Name: Pala Elevation: 1800 feet
 T 10S R 2W Sec 24, _____ ¼ of _____ ¼, Meridian: H M S
 Source of Coordinates (GPS, topo. map & type): topo
 T _____ R _____ Sec _____, _____ ¼ of _____ ¼, Meridian: H M S
 GPS Make & Model _____
 Datum: NAD27 NAD83 WGS84 Horizontal Accuracy _____ meters/feet
 Coordinate System: UTM Zone 10 UTM Zone 11 OR Geographic (Latitude & Longitude)
 Coordinates: Easting/Longitude _____ Northing/Latitude _____

Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope):
Observed flying over avocado orchard.

Other rare taxa seen at THIS site on THIS date:

Site Information Overall site quality: Excellent Good Fair Poor
 Current / surrounding land use: Rural Residential, Agricultural
 Visible disturbances:
 Threats:
 Comments:

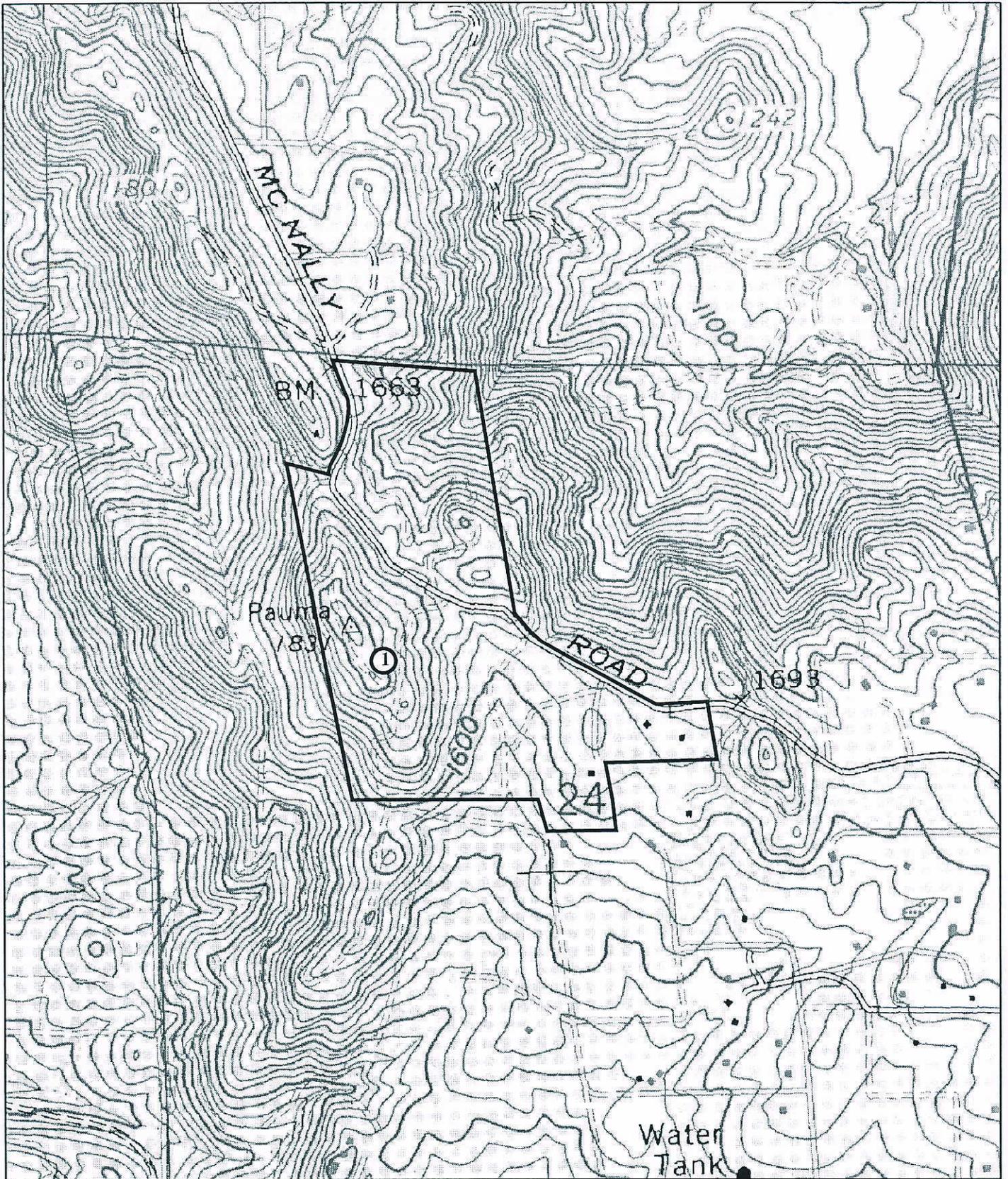
Determination: (check one or more, and fill in blanks)

Keyed (cite reference): _____
 Compared with specimen housed at: _____
 Compared with photo / drawing in: Listing Petition
 By another person (name): _____
 Other: _____

Photographs: (check one or more)

	Slide	Print	Digital
Plant / animal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Habitat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diagnostic feature	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

May we obtain duplicates at our expense? yes no



Source: USGS Pala Quadrangle

**Location of Red-Tailed Hawk
USGS Pala Quad
S. Thorne 7/13/2006**

