

INITIAL MANAGEMENT EVALUATION & RECOMMENDATIONS REPORT (IMER)

For

DINH PROPERTY



Prepared by
Natural Resources Management Section
Riverside County Parks

December, 2007

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

RESERVE NAME: **SAG 1**
ACQUISITION NAME: DINH
PROJECT ID NUMBER: RC22000164

I. SITE PHYSICAL DESCRIPTION

1.A. Site Physical Location & Access:

The Dinh property is located east of Herbert Road, south of Power Line Road, north of Highway 79 and west of Sage Road. Access to the site can be obtained directly through Power Line Road stemming from Sage Road. Access throughout the property is limited to a small dirt road that runs through a portion of the property. Access to the majority of the property and rocky-steep area must be done by foot. The site is rectangle shaped, and is composed of one parcel totaling 39.39 acres. The approximate center of the site is located at:

| | |
|----------------------------|----------------------------------------------|
| State Plane Coordinates | 6358536E, 2129847N (NAD-83, feet) |
| UTM Coordinates | 507848E, 3707634N (NAD-27, meters) |
| Township / Range / Section | T8S, R1W, S6 NE, W 1/2 Vail Lake Quad (SBBM) |

1.B. APNs & Acreage:

| APN | ACRES |
|--------------|--------------|
| 581-020-014 | 39.39 |
| TOTAL | 39.39 |

1.C. Topography:

The majority of the property is comprised of gently to steeply rolling hills with a lowland flat area in the northern portion of the site. A relatively large hill and ridgeline is located in the southern section of the site.

1.D. Surrounding Land Use:

The site is surrounded by low-density rural housing. Many of the surrounding residences participate in equestrian and/or off-highway vehicle (OHV) activities.

2. BIOLOGICAL ASSESSMENT

2.A. Plant Communities:

The site is located in an area that experiences relatively frequent disturbances. As a result, the northern portion of the site supports non-native grassland species. Plant species associated with the grassland community at this site include mustard (*Hirschfeldia incana*) and wild oat (*Avena sativa*). Patches of California buckwheat (*Eriogonum fasciculatum*), red-shank chamise/ribbon wood (*Adenostoma sparsifolium*), deer weed (*Lotus scoparius*) and cane cholla (*Opuntia parryi*) are found in the southern section of the site in areas with a higher degree of slope and less disturbance.

2.B. Likely Animal Species:

Given the remoteness of the site from urban centers, the likelihood of native species using the site is a likely possibility. These species could include: mountain lion (*Puma concolor*), bobcat (*Lynx rufus*), coyote (*Canis latrans*), long-tailed weasel (*Mustela frenata*), spotted skunk (*Spilogale putorius*), brush rabbit (*Sylvilagus bachmani*), desert cottontail (*Sylvilagus audubonii*), southern Pacific rattlesnake (*Crotalus viridis*), California whipsnake (*Masticophis lateralis*), Baja California lyresnake (*Trimorphodon biscutatus lyrophanes*), coachwhip (*Masticophis flagellum*), rosy boa (*Lichanura trivirgata*), southern sagebrush lizard (*Sceloporous graciosus vandenburgianus*), side-blotched lizard (*Uta stansburiana*), San Diego horned lizard (*Phrynosoma coronatum blainvelli*), red-tailed hawk (*Buteo jamaicensis*), California thrasher (*Toxostoma redivivum*), California towhee (*Pipilo fuscus*), speckled towhee (*Pipilo erythrophthalmus*), wrenit (*Chamaea fasciata*), California quail (*Callipepla californica*), and mourning dove (*Zenaida macroura*).

2.C. Other Habitat or Wildlife Features:

None.

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:

Frequent OHV activities occur throughout the northern section of the site. Local residents in the area use the OHV road in the north to access their properties. Limiting access may become an issue, because it appears the road is a main access route to several properties.

3.B. Fencing & Access Controls:

The main access point to the site is from Power Line Road, which stems from Sage Road just east of the property. OHV use of the site seems to be frequent due to the amount of disturbed areas found in the northern section of the property. If applicable, fencing and access controls will need to be installed along the northern border to reduce the frequency of illegal use, which has already adversely affected the habitat of the site.

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

OHV activity can be found to occur in the northern section of the property. Damage to the local flora is the main impact of OHV use within the property.

3.D. Illegal Dumping:

Illegal dumping was not observed to occur within property boundary, but does occur quite frequently in the area.

3.E. Target Shooting & Hunting:

The site is currently not being used for target shooting or hunting.

3.F. Weed Abatement:

No weed abatement activities are currently required.

3.G. Other Recreational Opportunities and Constraints:

With proper management and funding, recreation opportunities could exist in the future for hiking and nature study.

3.H. Special Conditions of Purchase:

None Reported.

4. RESTORATION OPPORTUNITIES

4.A. Target Species:

Restoration of the coast-sage scrub communities can best be accomplished by thinning out the non-native grasses and allowing the scrub species to naturally re-establish. This process may be difficult given the amount of local use and OHV damage.

4.B. Multi-Species Aspects:

The multiple species importance of this site primarily lies in it serving as open-space foraging habitat for a number of species found in the area. Both the coast-sage scrub habitat and non-native grassland potentially may serve as habitat for more than one MSHCP target species. Please see Appendix A for a qualitative checklist of MSHCP target animal species, and Appendix B for plant species.

5. RERSERVE DESIGN AND CONNECTIVITY

5.A. Boundary, Edge and Community Location:

The boundary of the site is surrounded by the open space land found throughout the area. The open space land also supports ranchette style housing.

5.B. Connectivity:

The Dinh property represents a key “stepping stone” parcel in the establishment of open-space land in an area that will likely be targeted for heavy development in the future. The site currently is located within the MSHCP Proposed Core Area 7, which is planned to connect Existing Core Areas K, L and M to the northeast, southeast and south, respectively. Proposed Core Area 7 will also provide access to Proposed Linkage 24, which will help connect Core Areas to the West.

5.C. Nearby Existing Reserves:

The Dinh property is located ± 2000 feet east of the Karam property. The Cordova, Gabrych, SDI Communities, Odegaard, United Five Star Capital, Wilson Creek, Gambill, Jalem, Smith, Kiang, Won Yoo Land Exchange, Bell, Weigel, Licata, Runnells, Button, Wallis-Mullings, and Lilledahl properties are all located within a ± 6.0 mile radius of the Dinh property.

5.D. Priority for Future Purchases:

Priority should be given to acquire the parcels that exist between Dinh and the properties to the west due to the higher probability that these open-space lands may undergo irreversible development. The acquisition of these critical parcels would help ensure the continuity of open-space. Further acquisitions will be needed to complete MSHCP Proposed Core Area 7.

6. INTERIM MANAGEMENT

6.A. Public Issues:

Two dirt roads run through the property and are heavily traveled by local residents. The east-west running road serves as the only access road to the residence on APN 581-020-016. Limiting access through the site, if necessary, will need to be coordinated with the local residents to establish a proper relationship.

6.B. Biological Issues:

No biological issues are foreseen concerning this site.

6.C. Recommended Interim Management Scenario:

Periodically monitor and inspect the site for possible new OHV trails and determine if the frequency of visitors is increasing or remaining the same by documenting any new disturbances to the land (e.g. new OHV trails, trash, shotgun shells etc.).

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>Poliophtila 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>Oporomis 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>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 | ✓ | | | | |

APPENDIX B.
Target Plant Species

| 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 | SJMETS | ✓ | | | | |
| Brand's phacelia | <i>Phacelia stellaris</i> | Sandy benches | SARIV | ✓ | | | | |
| California beardtongue | <i>Penstemon californicus</i> | Mid-level mountains | SJMETS, DVA, SRP | | ✓ | | | |
| California bedstraw | <i>Galium californicum</i> var. <i>primum</i> | Upper elevation chaparral | SJMETS, 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 | SJMETS | ✓ | | | | |
| Cleveland's bush monkeyflower | <i>Mimulus clevelandii</i> | Upper elevation chaparral | SAMTS | ✓ | | | | |
| cliff cinquefoil | <i>Potentilla rimicola</i> | High elevation rocks | SJMETS | ✓ | | | | |
| 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 comuta</i> var. <i>fishiae</i> | Oak riparian woodlands | SRP, SAMTS, Temecula area | | ✓ | | | |
| graceful tarplant | <i>Holocarpa 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, Protero area | | ✓ | | | |
| Johnston's rock cress | <i>Arabis johnstonii</i> | Upper elevation chaparral, forests | SJMETS | ✓ | | | | |
| lemon lily | <i>Lilium parryi</i> | Mountain wet places | SJMETS | ✓ | | | | |
| 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 | SJMETS 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 | SJMETS | ✓ | | | | |
| 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, SJMETS | | ✓ | | | |
| 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 | | ✓ | | | |

APPENDIX B.
Target Plant Species

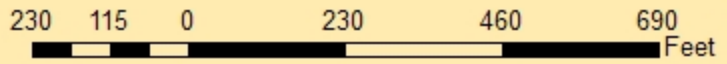
| | | | | | | | | |
|---------------------------------------|----------------------------------------------------------------|-----------------------------------------|-------------------------------|---|---|---|--|--|
| peninsular spine flower | <i>Chorizanthe leptotheca</i> | Dry open areas | Varies | ✓ | | | | |
| 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 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</i> var. <i>parishii</i> | Vernal pools | SRP | ✓ | | | | |
| San Jacinto Mountains bedstraw | <i>Galium angustifolium jacinticum</i> | Forests | SJMTS | ✓ | | | | |
| San Jacinto Valley crownscale | <i>Atriplex coronatum</i> var. <i>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</i> var. <i>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</i> (<i>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</i> var. <i>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
DINH PROPERTY
RC22000164**



PROPERTY BOUNDARY



Appendix D.



Northeast corner looking south.



Northwest corner looking south.

Appendix D.



View towards residence from western border.



View from road looking south.

Appendix D.



Middle road looking north.