



Appendix A

**USFWS
List of Proposed,
Threatened, and
Endangered Species**



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Ecological Services
Carlsbad Field Office
2730 Loker Avenue West
Carlsbad, California 92008

MAY 18 1999

Chris White, Chief
Environmental Analysis Branch B
Department of Transportation
P.O. Box 85406
San Diego, California 92186-5406

RE: Request for Candidate, Proposed, Threatened, or Endangered Species for State Route 905 between I-805 and the Otay Mesa Port of Entry at the U.S. Mexico international border, San Diego County, California (1-6-99-SP-26)

Dear Mr. White:

The Fish and Wildlife Service (Service) has reviewed the information provided by your letter dated April 07, 1999, in an effort to assess the potential for federally listed threatened or endangered species at the proposed project site. We do not have site specific information for the project area; consequently, the attached list contains a general list of species that may occur in the vicinity or appropriate USGS 7.5' quadrangle. We recommend that you seek assistance from a biologist familiar with your project site and with the listed species in assessing the actual potential for direct, indirect and cumulative impacts likely to result from the proposed activity. Your agency should also contact the California Department of Fish and Game for State listed and sensitive species which may occur in the area of the proposed project. Please note that State listed species are also protected under the provisions of the California Endangered Species Act.

In addition to the attached list, the Service is concerned about the following species, which may occur in the area of the proposed project, and for which current scientific evidence suggests are declining in numbers. **MAMMALS:** San Diego black tailed jackrabbit (*Lepus californicus bennettii*), Yuma myotis (*Myotis yumanensis*), San Diego desert woodrat (*Neotoma lepida intermedia*), southern grasshopper mouse (*Onychomys torridus ramona*), northwestern San Diego pocket mouse (*Perognathus fallax fallax*), pallid San Diego pocket mouse (*Perognathus fallax pallidus*); **BIRDS:** Cooper's hawk (*Accipiter cooperii*), southern California rufous crowned sparrow (*Aimophila ruficeps canascens*), Bell's sage sparrow (*Amphispiza bellii bellii*), burrowing owl (*Athene cunicularia*), ferruginous hawk (*Buteo regalis*), coastal cactus wren (*Campylorhynchus brunneicapillus sandiegoense*), northern harrier (*Circus cyaneus*), California horned lark (*Eremophila alpestris actia*), loggerhead shrike (*Lanius ludovicianus*), blue-gray gnatcatcher (*Polioptila caerulea*), and Bewick's wren (*Thryomanes bewickii*); **AMPHIBIANS:** western spadefoot toad (*Spea hammondi*); **REPTILES:** orange-throated whiptail (*Cnemidophorus hyperythrus*), coastal western whiptail (*Cnemidophorus tigris multiscutatus*), San Diego banded gecko (*Coleonyx variegatus abbotti*), northern red diamond rattlesnake (*Crotalus ruber ruber*), San Diego ringneck snake (*Diadophis punctatus similis*), Coronado skink (*Eumeces skillonianus interparietalis*), coastal rosy boa (*Lichanura trivirgata rosafusca*),

Chris White, Chief (1-6-99-SP-26)

San Diego horned lizard (*Phrynosoma coronatum blainvilliei*), coast patch nosed snake (*Salvadora hexalepis virgulata*), and two striped garter snake (*Thamnophis hammondi*); **INSECTS:** Hermes copper butterfly (*Lycaena hermes*). Although these species are afforded no Federal or State protection, conservation measures could help maintain stable populations.

The Service is also concerned for the following habitat community types which could potentially occur in the project area and are becoming rarer due to development, disturbance from highways, foot traffic, water impoundments, irrigation runoff, dumping, grazing, and other natural and human induced impacts: San Diego mesa hardpan vernal pools and maritime succulent scrub.

The following plant species may occur in the area of the proposed project and are considered to be sensitive by the California Native Plant Society (CNPS): California adolphia (*Adolphia californica*), Shaw's agave (*Agave shawii*), San Diego bur-sage (*Ambrosia chenopodiifolia*), San Diego ambrosia (*Ambrosia pumila*), San Diego sagewort (*Artemisia palmeri*), south coast saltscale (*Atriplex pacifica*), golden-spined cereus (*Bergerocactus emoryi*), Orcutt's brodiaea (*Brodiaea orcuttii*), wart-stemmed ceanothus (*Ceanothus verrucosus*), Orcutt's bird-beak (*Cordylanthus orcuttii*), San Diego sand aster (*Corethrogyne filaginifolia* var. *incana*), long-spined spineflower (*Chorizanthe polygonoides* var. *longispina*), summer holly (*Comarostaphylis diversifolia* ssp. *diversifolia*), variegated dudleya (*Dudleya variegata*), cliff spurge (*Euphorbia misera*), San Diego barrel cactus (*Ferocactus viridescens*), Palmer's grappling hook (*Harpagonella palmeri* var. *palmeri*), decumbent goldenbush (*Isocoma menziesii* var. *decumbens*), San Diego marsh elder (*Iva hayesiana*), Otay lotus (*Lotus crassifolius* var. *otayensis*), San Diego goldenstar (*Muilla clevelandii*), mud nama (*Nama stenocarpium*), snake cholla (*Opuntia parryi* var. *serpentina*), short-lobed broom-rape (*Orobanche parishii* ssp. *brachyloba*), Nuttall's scrub oak (*Quercus dumosa*), and woven-spored lichen (*Texosporium sancti-jacobi*). Plants found on the CNPS lists are also considered sensitive from a federal standpoint. State listed and those sensitive species which meet criteria for listing require full consideration under the California Environmental Quality Act (CEQA).

If it is determined that the proposed project may affect a listed species the United States Customs Service should initiate consultation with the Service pursuant to section 7 of the Endangered Species Act of 1973, as amended. Informal consultation may be used to exchange information and resolve conflicts with respect to listed species prior to a written request for formal consultation.

Should you have any question regarding the species listed or your responsibilities under the Act, please call Beverlee Reilly of my staff at (760) 431-9440.

Sincerely,


for Sheryl L. Barrett
Assistant Field Supervisor

USFWS LIST OF ENDANGERED, THREATENED, PROPOSED OR SENSITIVE SPECIES

APPENDIX A

Chris White, Chief (1-6-99-SP-26)

Listed Endangered, Threatened and Proposed Species
that have the Potential to Occur in the area of
the Otay Border, San Diego, California.

Common Name	Scientific Name	Status
BIRDS		
peregrine falcon	<u>Falco peregrinus</u>	Endangered
coastal California gnatcatcher	<u>Polioptila californica californica</u>	Threatened
INVERTEBRATES		
San Diego fairy shrimp	<u>Branchinecta sandiegonensis</u>	Endangered
quino checkerspot butterfly	<u>Euphydryas editha quino</u>	Endangered
Riverside fairy shrimp	<u>Streptocephalus woottoni</u>	Endangered
PLANTS		
San Diego thorn-mint	<u>Acanthomintha ilicifolia</u>	Threatened
San Diego button-celery	<u>Eryngium aristulatum var. parishii</u>	Endangered
Otay tarplant	<u>Hemizonia conjugens</u>	Threatened
spreading navarretia	<u>Navarretia fossalis</u>	Threatened
California Orcutt grass	<u>Orcuttia californica</u>	Endangered
Otay Mesa mint	<u>Pogogyne nudiuscula</u>	Endangered



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Ecological Services
Carlsbad Field Office
3750 Lakes Avenue West
Carlsbad, California 92008

April 12, 1995

Mr. Chris White
California Department of Transportation
District 11, P.O. Box 85406
San Diego, CA 92186

Attn: Gina Moran

Re: Request for Candidate, Proposed, Threatened, or Endangered Species
for the Proposed State Route 905, San Diego, San Diego County,
California (1-6-95-TA-176)

Dear Mr. White:

The Fish and Wildlife Service (Service) has reviewed the information (dated March 28, 1995) sent to us by you for the referenced project. These comments have been prepared under the authority, and in accordance with the provisions, of the Endangered Species Act of 1973, as amended (Act). The enclosed list of species partially fulfills the requirements of the Fish and Wildlife Service (Service) under Section 7(c) of the Endangered Species Act of 1973, as amended (Act).

If it is determined that the proposed project may affect a listed species and Federal involvement is necessary, the applicant should request that the Federal agency initiate consultation with the Service pursuant to section 7 of the Act. Informal consultation may be used to exchange information and resolve conflicts with respect to listed species prior to a written request for formal consultation. I have also included a list of candidate species presently under review by the Service for consideration as endangered or threatened. It should be noted that candidate species have no current protection under the Act. They are included for the sole purpose of notifying your agency in advance of possible proposals and listings which at some time in the future may affect how your agency proceeds with a planned or ongoing project. If early evaluation of your project indicates that it is likely to adversely impact a candidate species, we recommend that your agency seek technical assistance from this office in an effort to avoid or reduce impacts to such species.

If there is no federal nexus, and a listed species would be impacted either directly or indirectly by the project (i.e., "take would occur"), then an incidental take permit under section 10 (a)(1)(B) of the Act is required prior to such take occurring. The Act defines "take" as follows: "The term 'take' means to harass, harm, pursue, hunt, shoot, wound, kill, trap,

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M.Perez NG

Mr. Joe

capture, or collect, or attempt to engage in any such conduct." Take is further defined in 50 C.F.R. chapter 1, part 17.3, through the definition of harass and harm as follows: "Harass in the definition of 'take' in the

Act means intentional or negligent act or omission which creates the likelihood of injury to wildlife by annoying it to such an extent as to significantly disrupt normal breeding patterns which include, but are not limited to, breeding, feeding, or sheltering. Harm in the definition of 'take' in the Act means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or sheltering."

A necessary component of an incidental take permit application is a Habitat Conservation Plan. Briefly, the plan would need to specify: 1) the impact which will likely result from such taking; 2) what steps the applicant will take to minimize and mitigate such impacts, and the funding that will be available to implement such steps; 3) what alternative actions to such taking the applicant considered and the reasons why such alternatives are not being utilized; and 4) such other measures that the Secretary of the Interior may require as being necessary or appropriate for purposes of the plan.

Should you have any question regarding the species listed or your responsibilities under the Act, please call Shawnetta Grandberry at (619) 431-9440.

Sincerely

Gail C. Kobetich
Field Supervisor

Enclosure

Listed Endangered, Threatened
and Candidate Species that Occur in the Area
of the Proposed State Route 905, San Diego,
San Diego County, California (1-6-954-SP-176)

Common Name	Scientific Name	Status
Listed Species		
AMPHIBIANS		
southwestern arroyo toad	<i>Bufo microscaphus californicus</i>	E
BIRDS		
bald eagle	<i>Haliaeetus leucocephalus</i>	E
least Bell's vireo	<i>Vireo bellii pusillus</i>	E
peregrine falcon	<i>Falco peregrinus</i>	E
southwestern willow flycatcher	<i>Empidonax traillii eximius</i>	E
coastal California gnatcatcher	<i>Polliontila californica californica</i>	T
CRUSTACEAN		
Riverside fairy shrimp	<i>Streptocephalus woottoni</i>	E
PLANTS		
San Diego button celery	<i>Eryngium aristulatum</i> var. <i>parishii</i>	E
California Orcutt grass	<i>Orcuttia californica</i>	E
Otay mesa mint	<i>Pogogyne nudiuscula</i>	E
Proposed Species		
AMPHIBIANS		
California red-legged frog	<i>Rana aurora draytoni</i>	PE
CRUSTACEANS		
San Diego fairy shrimp	<i>Branchinecta sandiergensis</i>	PE

Common Name	Scientific Name	Status
INSECTS		
Quino checkerspot butterfly	<i>Euphydryas editha quino</i>	PE
PLANTS		
Prostrate (-spreading) navarretia	<i>Navarretia fossalis</i>	PT
Candidate Species		
AMPHIBIANS		
western spadefoot toad	<i>Scaphiopus hammondi</i>	C2
BIRDS		
ashy rufous-crowned sparrow	<i>Aimophila ruficeps canescens</i>	C2
California spotted owl	<i>Strix occidentalis occidentalis</i>	C2
ferruginous hawk	<i>Buteo regalis</i>	C2
mountain plover	<i>Charadrius montanus</i>	C1
tricolored blackbird	<i>Agelaius tricolor</i>	C2
western burrowing owl	<i>Athene cunicularia hypogaea</i>	C2
California horned lark	<i>Eremophila alpestris actia</i>	C3c
San Diego cactus wren (coastal populations)	<i>Campylorhynchus brunneicapillus souesi</i>	C3c
INSECTS		
Harbison's dun skipper	<i>Euphyes vestris harbisoni</i>	C2
Hermes copper butterfly	<i>Lycaena hermes</i>	C2
Thorne's hairstreak	<i>Mitoura thornei</i>	C2
MAMMALS		
California leaf-nosed bat	<i>Macrotus californicus</i>	C2

Common Name	Scientific Name	5 Status
Dulzura California pocket mouse	<u>Perognathus (chaetodipus) californicus femoralis</u>	C2
greater western mastiff-bat	<u>Eumops perotis californicus</u>	C2
long-legged myotis	<u>Myotis volans</u>	C2
Pacific Townsend's (-western) big-eared bat	<u>Plecotus townsendii townsendii</u>	C2
Mexican long-tongued bat	<u>Choanictotis mexicana</u>	C2
northwestern San Diego pocket mouse	<u>Perognathus [-chaetodipus] fallax fallax</u>	C2
occult little brown bat	<u>Myotis lucifugus occultus</u>	C2
San Diego black-tailed jackrabbit	<u>Lepus californicus bennettii</u>	C2
southern grasshopper mouse	<u>Onychomys torridus ramona</u>	C2
southwestern cave myotis	<u>Myotis velifer brevis</u>	C2
spotted bat	<u>Euderma maculatum</u>	C2
REPTILES		
coast patch-nosed snake	<u>Salvadora hexalepis virgultea</u>	C2
coastal rosy boa	<u>Lichanura trivirgata rosafusca</u>	C2
coastal western whiptail	<u>Cnemidophorus tigris multiscutatus</u>	C2
northern red diamond rattlesnake	<u>Crotalus ruber ruber</u>	C2
orange-throated whiptail	<u>Cnemidophorus hyperythrus</u>	C2
San Diego banded gecko	<u>Coleonyx variegatus abbotti</u>	C2

Common Name	Scientific Name	6 Status
San Diego horned lizard	<u>Phrynosoma coronatum blainvilliei</u>	C2
San Diego Mountain king snake	<u>Lampropeltis zonata pulchra</u>	C2
San Diego ringneck snake	<u>Diadophis punctatus similis</u>	C2
southwestern pond turtle	<u> Clemmys marmorata pallida</u>	C2
PLANTS		
San Diego thornmint	<u>Acanthomintha ilicifolia</u>	C1
Dehesa (San Diego) bear-grass	<u>Nolina interrata</u>	C1
San Diego ragweed	<u>Ambrosia dumila</u>	C2
Otay Manzanita	<u>Arctostaphylos otayensis</u>	C2
Dean's milk-vetch	<u>Astragalus deanei</u>	C2
south coast saltbush	<u>Atriplex pacifica</u>	C2
Orcutt's brodiaea	<u>Brodiaea orcuttii</u>	C2
Dunn's mariposa lily	<u>Calochortus dunnii</u>	C2
Lakeside ceanothus	<u>Ceanothus cyaneus</u>	C2
summer-holly	<u>Comarostaphylis diversifolia ssp. diversifolia</u>	C2
Orcutt's bird's beak	<u>Cordylanthus orcuttianus</u>	C2
Tecate cypress	<u>Cupressus forbesii</u>	C2
variegated Dudleya	<u>Dudleya variegata</u>	C2
San Diego barrel cactus	<u>Ferocactus viridescens</u>	C2
Mexican flannelbush	<u>Eremontodendron mexicanum</u>	C2
Palmer's haplopappus	<u>Haplopappus palmeri ssp. palmeri</u>	C2
Palmer's grappling-hook	<u>Harpagonella palmeri var. palmeri</u>	C2

Common Name	Scientific Name	Status
Otay tarweed	<i>Monizonia conjugens</i>	C2
Tecate tarplant	<i>Monizonia floribunda</i>	C2
San Diego marsh elder	<i>Iva hayesiana</i>	C2
Gander's pitcher sage	<i>Lepachinia ganderi</i>	C2
Otay lotus	<i>Lotus crassifolius</i> var. <i>otayensis</i>	C2
willow monardella	<i>Monardella linoidea</i> ssp. <i>viminea</i>	C2
San Diego goldenstar	<i>Mulla clevelandii</i>	C2
little mouseltail	<i>Myosurus minimus</i> ssp. <i>apus</i>	C2
snake cholla	<i>Opuntia parryi</i> var. <i>serpentina</i>	C2
Nuttall's scrub oak	<i>Quercus dumosa</i>	C2
small-leaved rose	<i>Rosa minutifolia</i>	C2
Gander's butterweed	<i>Senecio ganderi</i>	C2
narrow-leaved nightshade	<i>Solanum tenuifoliatum</i>	C2
Parry's tetraococcus	<i>Tetraococcus dioicus</i>	C2
Slender-pod Caulanthus	<i>Caulanthus stenocarpus</i>	C3b
California barrel cactus	<i>Ferocactus acanthodes</i> ssp. <i>acanthodes</i>	C3c
felt leaf monardella	<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	C3c
San Miguel savory	<i>Satureia chandleri</i>	C3c

- E: Endangered
- T: Threatened
- PE: Proposed Endangered
- PT: Proposed Threatened
- C1: Category "1" candidate for listing; taxa for which the Service has substantial information to support listing as threatened or endangered.
- C2: Category "2" candidate for listing; taxa that may warrant listing but for which substantial information to support a proposed rule is lacking.

- C3: Taxa that are not currently being considered for listing as threatened or endangered:
 - (3a): taxa for which the Service has persuasive evidence of extinction. However, any such taxon is certain to get high priority for listing if rediscovered.
 - (3b): taxa that currently do not meet the Act's definition of "species". Any such taxon could be reevaluated in the future as a result of subsequent research.
 - (3c): taxa that apparently more common than previously thought and thus not under current consideration for listing as threatened or endangered.