



*Engineering, Planning,
Environmental Sciences and
Management Services*

Corporate Office:
606 Third Street
Encinitas, California 92024

760.942.5147
Fax 760.632.0164

M E M O R A N D U M

14 June 2000

To : MSHCP ADVISORY COMMITTEE

From : JUNE COLLINS, DUDEK & ASSOCIATES, INC.

RE : CNPS LIST 1B SPECIES

At the May 11, 2000 MSHCP Advisory Committee meeting, an issue was raised regarding the extent to which California Native Plant Society (CNPS) List 1B plants were fully represented on the list of species being evaluated for conservation under the MSHCP. CNPS List 1B plants are those that are considered by CNPS to be "rare or endangered in California and elsewhere." A list of CNPS List 1B plants in Riverside County (attached) was provided to DUDEK to review and report back to the MSHCP Advisory Committee. This Memorandum presents the results of DUDEK's review.

The list provided to DUDEK included 53 plant species. Of the 53 species, 26 species are already being considered for conservation under the MSHCP and species accounts have been prepared for these species. The remaining 27 species are summarized on the attached spreadsheet. As shown, 16 of the 27 species were included in the original USFWS Table 2 which identified species for which it was believed there were not sufficient data available to proceed with conservation planning. In our research, DUDEK has not identified any new information that would alter the previous USFWS conclusion for these species. One of the species (*Ivesia callida*) was included on USFWS Table 1, which identified species for which it was believed there were sufficient data to proceed with conservation planning. *Ivesia callida* is known from only two occurrences in the study area

CNPS List 1B Species

(near Tahquitz Peak, within the San Jacinto wilderness area). The remaining 10 species are not on either USFWS Table 1 or Table 2 and nine of these species do not have any mapped localities in the study area according to either the MSHCP species occurrence data base or the California Natural Diversity Database (CNDDDB). One of these 10, *Delphinium hesperium* spp. *cuyamaca*, is reported from the San Jacinto Mountains in Reiser (1994) and by the CNDDDB (two mapped localities).

Based on this information, DUDEK recommends that the two species with identified localities in the study area be considered for conservation in the MSHCP. These species are *Ivesia callida* and *Delphinium hesperium* spp. *cuyamaca*. It appears that these species would be confined to National Forest lands within the study area. In addition, the 26 CNPS list 1B species already being considered for conservation will continue to be analyzed as part of the MSHCP. No further analysis of the remaining species is recommended by DUDEK.

<i>Sylvia dreyse</i>		Not in study area for CNDDB. Not included in UCRGIS database.
<i>Phacelia aravaeana</i> ssp. <i>kecki</i>	List 5	
<i>Ononis munzii</i>		Not included in CNDDB or UCRGIS database.
<i>Monsardaia topisonii</i>		Not in study area for CNDDB. Not included in UCRGIS database.
<i>Monsardaia brundel</i>	List 5	
<i>Mimna ocreata</i> var. <i>ocrotiaii</i>		Not in study area for CNDDB. Not included in UCRGIS database.
<i>Machaeranthera calvescens</i> var. <i>ziedleri</i>	List 5	
<i>Loeflingia adnata</i> var. <i>schumlanum</i>	List 5	
<i>Linsystrum ocreataii</i>	List 5	
<i>Linsystrum floribundum</i> ssp. <i>hallii</i>	List 5	
<i>Leptodactylon laevis</i>	List 5	
<i>Leptogium virgatum</i> var. <i>topisonii</i>	List 5	
<i>Laeis calycis</i>	List 1	Two known occurrences near Tarduliz Peak within Jacinto Wilderness area.
<i>Hemizonia bahajii</i>	List 5	
<i>Guthriea diffusa</i> ssp. <i>filicariae</i>	List 5	
<i>Gilia macrocarpa</i>		Not in study area for UCRGIS database. Not included in CNDDB.
<i>Eriogonum viviparum</i> var. <i>alvaresonii</i>		Not in study area for CNDDB. Not included in UCRGIS database.
<i>Eriogonum foliosum</i>	List 5	
<i>Eriogonum bahajii</i>	List 5	
<i>Diplex californica</i>		Not in study area for CNDDB. Not included in UCRGIS database.
<i>Delphinium hesperium</i> ssp. <i>guyanaense</i>		Reported from San Jacinto Mountains by Reiser (1984) and by CNDDB (two mapped localities).
<i>Comarostaphyle divaricata</i> ssp. <i>divaricata</i>	List 5	
<i>Chimaphysa bistaybena</i>		Not in study area. Located near Thousand Palms in Coachella Valley (Reiser 1984).
<i>Chimaphysa californica</i> var. <i>bejaconi</i>		Not in study area. Concentrated along the Salton Gateway (Reiser 1984).
<i>Ceanothus caryocarpus</i>	List 5	Not in study area. Restricted to San Diego County and Baja California, Mexico (Reiser 1984).
<i>Cassipoula lasiocarpa</i>	List 5	
<i>Calochortus bellus</i> var. <i>bahajii</i>	List 5	

SELECTED EXCERPTS ! USFWS/NMFS HABITAT CONSERVATION PLANNING HANDBOOK

The alternatives ultimately developed and analyzed as part of the MSHCP must also satisfy the federal ESA and NEPA requirements for alternatives analyses as part of HCPs. These requirements are highlighted in the Habitat Conservation Planning Handbook. Selected excerpts are attached for your information and include the following:

- Mandatory elements of an HCP
- Handbook guidance regarding alternatives analyzed in an HCP
- HCP issuance criteria
- Scope of the NEPA analysis for an HCP