

MRCA Item 5(i)  
June 3, 2009

## **BIOLOGY SCOPE OF WORK**

Dudek understands that the Santa Monica Conservancy (Conservancy) is proposing to develop a series of American Disability Act (ADA)-accessible campsites, along with associated infrastructure, and trail connectors at three separate parks (Corral Canyon Park, Escondido Canyon Park, and Ramirez Canyon Park) in the City of Malibu, California.

Based on our understanding of the Conservancy's immediate needs, Dudek proposes to conduct 2009 rare plant surveys within the project footprint to determine the presence/absence of rare plants in the Plan area and to support preparation of the environmental document.

A more detailed scope of work is provided below.

### **Task 1: Focused Rare Plant Surveys**

Under this task, Dudek will conduct surveys for rare plants within the impact footprint during the spring/summer 2009 blooming periods. Prior to conducting the surveys, Dudek's professionally trained botanists will coordinate with representatives from the California Native Plant Society (CNPS) to verify the blooming status of special-status plants known to occur in the project vicinity including, but not limited to: federally-listed endangered Braunton's milk vetch (*Astragalus brauntonii*), CNPS List 1B.1; Malibu baccharis (*Baccharis malibuensis*), CNPS List 1B.1; round-leaved filaree (*California* [=*Erodium*] *macrophylla*), CNPS List 2.1; Plummer's mariposa lily (*Calochortus plummerae*), CNPS List 1B.2; Lewis' evening primrose (*Canissonia lewisii*), CNPS List 3; Parry's spineflower (*Chorizanthe parryi* var. *parryi*), CNPS List 3.2; Santa Susana tarplant (*Deinandra* [=*Hemizonia*] *minthornti*), CNPS List 1B.2; Blochman's dudleya (*Dudleya blochmaniae* spp. *blochmaniae*), CNPS List 1B.1; federally-listed threatened Agoura Hills dudleya (*Dudleya cymosa* ssp. *agourensis*), CNPS List 1B.2; federally-listed threatened marcescent dudleya (*Dudleya cymosa* ssp. *marcescens*), CNPS List 1B.2; federally-listed threatened Santa Monica Mountains dudleya (*Dudleya cymosa* spp. *ovatifolia*), CNPS List 1B.2; many-stemmed dudleya (*Dudleya multicaulis*), CNPS List 1B.2; federally-listed threatened conejo dudleya (*Dudleya parva*), CNPS List 1B.2; federally-listed threatened Verity's dudleya (*Dudleya verityi*), CNPS List 1B.2; conejo buckwheat (*Eriogonum crocatum*), CNPS List 1B.2; federally-listed endangered Lyon's pentachaeta (*Pentachaeta lyonii*), CNPS List 1B.1; and Sonoran maiden fern (*Thelypteris puberula* var. *sonorensis*), CNPS List 2.2. This will minimize potential questions from the resource agencies regarding survey adequacy in the future.

**SCOPE OF WORK**  
**MALIBU PARKS CAMPGROUND AND TRAIL DEVELOPMENT PROJECT**

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Two surveys are recommended to detect those species flowering in mid-spring versus those flowering in late summer. Survey emphasis will be placed on determining the presence, or potential for occurrence, of state- and federally-listed and CNPS Lists 1B and 2 species. CNPS List 3 and 4 will be recorded when observed. Identified individuals or groupings of these species will be mapped in the field onto 100- or 200-scale maps or recent aerial photographs. Locations of all state- or federally-listed species will be mapped using a global positioning system (GPS) unit with sub-meter accuracy. The cost estimate assumes that a biologist could survey all camping, parking, and trail alignments for rare plants within two, 10-hour days. If field conditions indicate the presence of less or more suitable habitat, the scope of work and costs will be modified as appropriate. Results of the rare plant survey will be incorporated into a technical memorandum for client review and use.

It is important to note that the blooming period for Lyon's pentachaeta typically ranges from March through April and while we intend on surveying for this plant during spring surveys there's a possibility that this species is no longer detectable. Should this be the case, it may be possible to assess impacts to this species based upon suitable habitat present in the impact area. Given the sensitivity of the species, its range, that amount of habitat impacted, etc., it may be possible to state that impacts are not significant. However, if there is suitable habitat within or adjacent to a camping/parking area or trail corridor we may suggest conducting focused surveys for this species prior to construction to determine presence/absence and recommend appropriate mitigation measures.

*Estimated Labor Cost for Task 1.....\$20,130.00*

**SUMMARY**

In summary, Dudek proposes to complete the work described above on a time and materials basis not to exceed **\$20,130.00**. Direct costs, which include deliveries, reproduction, use of the GPS unit (@ \$100/day) and mileage (@ 55 cents per mile), are billed at a 15 % markup and are anticipated to be approximately **\$900.00**. Therefore, the total contract amount at this time would be **\$21,030.00**. Dudek labor will be billed according to our 2009 Standard Schedule of Charges, a copy of which is attached for your use. We sincerely appreciate the opportunity to continuing working with the Conservancy on this project.