

conserved. Please see Table 3 for the allocation of sensitive species within these categories.

**Table 3 – Distribution of vernal pools relative to the MHPA**

	Inside MHPA		Outside MHPA	
	Conserved	Not Conserved*	Conserved	Not Conserved
Number of Basins	1005	491	364	656
Basin (ft <sup>2</sup> )	649,488	519,883	176,177	336,435
Basins containing				
<i>E. aristulatum</i>	580	87	106	31
<i>M. minimus</i>	5	2	44	0
<i>N. fossalis</i>	79	3	16	1
<i>O. californica</i>	52	0	5	1
<i>P. abramsii</i>	168	126	43	36
<i>P. nudiscula</i>	319	2	55	0
<i>Branchinecta</i> spp.	289	52	125	133
<i>B. sandiegoensis</i>	236	15	107	21
<i>B. lindahli</i>	18	0	1	0
<i>S. woottonii</i>	94	3	11	3
Total fairy shrimp	294	53	130	133
Percent Cover (ft <sup>2</sup> )**				
<i>E. aristulatum</i>	84,784	2,446	9,680	1,214
<i>M. minimus</i>	16	149	154	0
<i>N. fossalis</i>	1,406	152	141	17
<i>O. californica</i>	2,206	0	328	330
<i>P. abramsii</i>	12,022	17,768	4,527	1,714
<i>P. nudiscula</i>	27,910	107	3,520	0
* Sites in public ownership that do not meet conservation criteria (see page 10) are considered "Not Conserved." Refer to Table 1 for list of sites.				
**Percent cover estimates in this table were calculated using in-field cover estimates.				

Results of the comprehensive plant surveys have been divided into vernal pool indicator species, facultative wetland plants, and upland vegetation. These data are included at Appendices D, E and F, respectively.

### 3.2 Results by site

The inventory results have been organized geographically, from north to south, by site. Revised Bauder identification numbers (noted in parentheses), location and conservation status of the site, as well as number and size of vernal pools, are included in the following descriptions. Vernal pools are natural unless noted as "enhanced," "restored," or "created." Enhancement refers to improvement of existing, functional vernal pools (i.e., introduction of fairy shrimp). Restoration describes efforts to reestablish the ecosystem values of vernal pools that have ceased to function. Creation efforts establish new vernal pool basins in areas where historic vernal pools have been destroyed. Survey findings are compared with results from Bauder (1986) when applicable. Cover percentage estimates in this section were calculated using the

following classes: <1%, 1-5%, 5-10%, 10-25%, 25-50%, 50-75%, 75%+. Tables of vernal pool indicator plant and fairy shrimp occurrence and representative photographs of the sites have been included in this section; species presence is indicated in Tables 4 through 63 by a dot (“•”). Facultative wetland species are listed by site in Appendix E and upland vegetation is listed by site in Appendix F.

### 3.2.1 Del Mar Mesa

Five vernal pool sites are found in the Del Mar Mesa area: Li Collins, Greystone Torrey Highlands, Rhodes, Del Mar Mesa, and Shaw Texas.

**3.2.1.a** Li Collins (H 40), near the intersection of Carmel Valley Road and Camino del Sur, is a 0.3 acre (13,361 square foot) parcel conserved and fenced as part of a Torrey Highlands Subarea residential development. Li Collins is owned and managed by the Environmental Trust; this site was grazed historically and was not included in Bauder’s report (1986). The two vernal pools on-site cover 1,659 square feet and do not support rare, threatened, or endangered plant or animal species. Vernal pool indicator species and fairy shrimp observed at this site are listed in Table 4. Li Collins is located on map 290-1725 in Appendix C.

<b>Table 4</b>		
<b>Li Collins</b>		
<b>Presence of Vernal Pool Indicator Species</b>		
<i>Callitriche marginata</i>	<i>Myosurus minimus</i>	
<i>Crassula aquatica</i>	<i>Navarretia fossalis</i>	
<i>Deschampsia danthoniodes</i>	<i>Orcuttia californica</i>	
<i>Downingia cuspidata</i>	<i>Phalaris lemmonii</i>	
<i>Elatine californica</i>	<i>Phalaris</i> spp.	
<i>Epilobium pygmaeum</i>	<i>Pilularia americana</i>	
<i>Eryngium aristulatum</i>	<i>Pilularia</i> spp.	
<i>Isoetes howellii</i>	<i>Plagiobothrys acanthocarpus</i>	
<i>Isoetes orcuttii</i>	<i>Plantago elongata</i>	
<i>Isoetes</i> spp.	<i>Plantago</i> spp.	
<i>Lilaea scilloides</i>	<i>Pogogyne abramsii</i>	
<i>Marsilea vestita</i>	<i>Pogogyne nudiuscula</i>	
<i>Malvella leprosa</i>	<i>Psilocarphus brevissimus</i>	•
<i>Branchinecta</i> spp.	<i>Branchinecta sandiegonensis</i>	
<i>Branchinecta lindahli</i>	<i>Streptocephalus woottoni</i>	