

Appendix B

**Plant Species Considered for Inclusion as Focal
Species for the East Alameda Conservation Strategy**

Appendix B. Plant Species Considered for Inclusion as Focal Species for the East Alameda Conservation Strategy

Species	Status ^a			Criteria ^b				Recommended Focal Species ^c	Notes
	Federal	State	CNPS	Range	Status	Threat	Data		
<i>Allium sharsmithiae</i> Sharsmith's onion	—	—	1B.3	Y	N	N	Y	N	Occurs in remote part of study area and is likely under little or no threat. Mixed serpentine chaparral will be addressed at the natural community level which will benefit species.
<i>Amsinckia grandiflora</i> large-flowered fiddleneck	FE	SE	1B.1	Y	Y	N	Y	N	One occurrence on Lawrence Livermore Lab property appears to be extirpated; no take designation requested by CNPS; this is a no take plant in the ECCC HCP/NCCP
<i>Amsinckia lunaris</i> bent-flowered fiddleneck	—	—	1B.2	Y	N	N	N	N	Species not expected to become listed in near future; no local threats known; occurrence location not specific
<i>Arctostaphylos pallida</i> pallid manzanita	FT	SE	1B.1	N	Y	N	N	N	Does not occur in study area
<i>Astragalus tener</i> var. <i>tener</i> alkali milk-vetch	—	—	1B.2	Y	N	N	N	N	Species not expected to become listed in near future; only known occurrence in study area is extirpated
<i>Atriplex cordulata</i> Heartscale	—	—	1B.2	Y	N	Y	N	N	Not expected to become listed in near future; taxonomic identity of study area populations in question
<i>Atriplex depressa</i> Brittlescale	—	—	1B.2	Y	N	Y	N	N	Not expected to become listed in near future; taxonomic identity of study area populations in question
<i>Atriplex joaquiniana</i> San Joaquin spearscale	—	—	1B.2	Y	Y	Y	Y	Y	Covered in the East Contra Costa County HCP/NCCP
<i>Balsamorhiza macrolepis</i> var. <i>macrolepis</i> big-scale balsamroot	—	—	1B.2	Y	N	N	Y	N	Only occurrence in study area appears to be extirpated
<i>Blepharizonia plumosa</i> big tarplant	—	—	1B.1	Y	Y	Y	Y	Y	Not expected to become listed in near future; road maintenance threatens some occurrences; covered in the East Contra Costa County HCP/NCCP
<i>California macrophylla</i> round-leaved filaree	—	—	1B.1	Y	Y	N	N	N	No local threats; occurrence locations not specific; covered in the East Contra Costa County HCP/NCCP
<i>Calochortus pulchellus</i> Mt. Diablo fairy-lantern	—	—	1B.2	N	Y	N	N	N	No occurrences in study area; covered in the East Contra Costa County HCP/NCCP
<i>Campanula exigua</i> chaparral harebell	—	—	1B.2	Y	Y	N	N	N	Not expected to be listed in near future; no local threats; occurrence locations not specific; covered in the Santa Clara Valley HCP/NCCP

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<i>Caulanthus coulteri</i> var. <i>lemmonii</i> Lemmon's jewelflower	—	—	1B.2	Y	N	N	N	N	Not expected to be listed in near future; no local threats; occurrence locations not specific
<i>Centromadia parryi</i> ssp. <i>congdonii</i> Congdon's tarplant	—	—	1B.2	Y	Y	Y	Y	Y	Populations concentrated in areas subject to possible future development
<i>Chorizanthe cuspidata</i> var. <i>cuspidata</i> San Francisco Bay spineflower	—	—	1B.2	N	N	N	N	N	No occurrences in study area
<i>Chorizanthe robusta</i> var. <i>robusta</i> robust spineflower	FE	—	1B.1	N	Y	N	N	N	No occurrences in study area
<i>Cirsium fontinale</i> var. <i>campylon</i> Mt. Hamilton fountain thistle	—	—	1B.2	Y	N	N	Y	N	Occurs in remote part of study area and is likely under little or no threat. Serpentine communities, including seeps will be conserved at the community level.
<i>Clarkia concinna</i> ssp. <i>automixa</i> Santa Clara red ribbons	—	—	4.3	Y?	N	N	N	N	One non-specific occurrence in the Cedar Mountain region from 1903.
<i>Clarkia franciscana</i> Presidio clarkia	FE	SE	1B	N	Y	N	N	N	No occurrences in study area
<i>Cordylanthus maritimus</i> ssp. <i>palustris</i> Point Reyes bird's-beak	—	—	1B.2	Y	N	N	N	N	No occurrences in study area
<i>Cordylanthus mollis</i> ssp. <i>hispidus</i> hispid bird's-beak	—	—	1B.1	Y	Y	N	Y	N	Only occurrence in study area in Springtown Wetlands Preserve, threats from potential changes in local hydrology and from recreational uses
<i>Cordylanthus palmatus</i> Palmate-bracted bird's-beak	FE	SE	1B.1	Y	Y	Y	Y	Y	Occurrences in study area in Springtown Wetlands Preserve and on adjacent private lands; threats from potential changes in local hydrology and from recreational uses
<i>Coreopsis hamiltonii</i> Mt. Hamilton coreopsis	—	—	1B.2	Y	N	N	Y	N	Two recorded occurrences in the study area; not expected to become listed in near future
<i>Deinandra bacigalupii</i> Livermore Valley tarplant	FE	—	1B.1	Y	Y	Y	Y	Y	Very rare within study area; high potential for impacts on populations
<i>Delphinium californicum</i> ssp. <i>interius</i> Hospital Canyon larkspur	—	—	1B.2	Y	N	N	N	N	Occurs in remote part of study area; not expected to become listed in near future
<i>Delphinium recurvatum</i> recurved larkspur	—	—	1B.2	Y	Y	Y	Y	Y	One occurrence in study area; covered in the East Contra Costa County HCP/NCCP
<i>Dirca occidentalis</i> western leatherwood	—	—	1B.2	N	N	N	N	N	No occurrences in study area

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<i>Eriogonum luteolum</i> var. <i>caninum</i> Tiburon buckwheat	—	—	1B.2	N	N	N	N	N	No occurrences in study area
<i>Eryngium aristulatum</i> var. <i>hooveri</i> Hoover's button-celery	—	—	1B.1	N	N	N	N	N	No occurrences in study area; taxonomic problems
<i>Eschscholzia rhombipetala</i> diamond-petaled California poppy	—	—	1B.1	Y	Y	N	Y	N	Known occurrences at Lawrence Livermore National Lab; no local threats (other than small population size)
<i>Fritillaria falcata</i> talus fritillary	—	—	1B.2	Y	N	N	N	N	Occurs in remote part of study area and is likely under little or no threat. Mixed serpentine chaparral will be addressed at the natural community level which will benefit species.
<i>Fritillaria liliacea</i> fragrant fritillary	—	—	1B.2	N	N	N	N	N	No occurrences in study area
<i>Helianthella castanea</i> Diablo helianthella	—	—	1B.2	Y	Y	N	Y	N	Occurs in remote part of study area; no known threats; covered in the East Contra Costa County HCP/NCCP
<i>Hesperolinon</i> sp. nov. " <i>serpentinum</i> " Napa western flax	—	—	1B.1	Y	N	N	Y	N	Not a published species; not expected to become listed in near future
<i>Hoita strobilina</i> Loma Prieta hoita	—	—	1B.1	N	Y	N	N	N	No occurrences in study area; covered in the Santa Clara Valley HCP/NCCP
<i>Holocarpha macradenia</i> Santa Cruz tarplant	FT	SE	1B.1	N	Y	N	N	N	No occurrences in study area
<i>Horkelia cuneata</i> ssp. <i>sericea</i> Kellogg's horkelia	—	—	1B.1	N	N	N	N	N	No occurrences in study area
<i>Lasthenia conjugens</i> Contra Costa goldfields	FE	—	1B.1	N	Y	N	N	N	No occurrences in study area
<i>Legenere limosa</i> Legenere	—	—	1B.1	Y	N	N	Y	N	Occurs in remote part of study area; not expected to become listed in near future
<i>Lilaeopsis masonii</i> Mason's lilaeopsis	—	SR	1B.1	Y	Y	N	Y	N	One population at edge of study area; no known threats
<i>Monardella villosa</i> ssp. <i>globosa</i> robust monardella	—	—	1B.2	N	N	N	N	N	No occurrences in study area
<i>Navarretia prostrata</i> prostrate navarretia	—	—	1B.1	N	Y	N	N	N	No occurrences in study area

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<i>Plagiobothrys chorisianus</i> var. <i>chorisianus</i> Choris' popcorn-flower	—	—	1B.2	N	N	N	N	N	No occurrences in study area
<i>Plagiobothrys diffusus</i> San Francisco popcorn-flower	—	SE	1B.1	N	Y	N	N	N	No occurrences in study area
<i>Plagiobothrys glaber</i> hairless popcorn-flower	—	—	1A	Y	N	Y	N	N	Vernal pool species that will receive some protection by seasonal wetlands being called out at the natural community level. One possible occurrence in study area; may face threats and may expect to be listed in near future
<i>Sanicula maritima</i> adobe sanicle	—	SR	1B.1	N	Y	N	N	N	Species not expected to be impacted consistently; avoidance is possible
<i>Senecio aphanactis</i> Chaparral ragwort	—	—	2.2	Y	Y	N	Y	N	One occurrence in study area at Carnegie ORV SP; no threats evident; populations small, mostly historic, more rare than CNPS status indicates
<i>Streptanthus albidus</i> ssp. <i>peramoenus</i> most beautiful jewel-flower	—	—	1B.2	Y	Y	N	Y	N	In SFPUC lands, no reported threats; covered in the Santa Clara Valley HCP/NCCP
<i>Suaeda californica</i> California seablite	FE	—	1B.1	N	Y	N	N	N	No occurrences in study area
<i>Trifolium depauperatum</i> var. <i>hydrophilum</i> saline clover	—	—	1B.2	Y	N	Y	N	N	Vernal pool species. Not expected to be listed in near future; one occurrence in East Dublin from 2002, possibly extirpated by development in 2005
<i>Tropidocarpum capparideum</i> caper-fruited tropidocarpum	—	—	1B.1	Y	Y	N	N	N	Occurrences in study area are extirpated; no take scenario requested by CNPS; this is a no take plant in the ECCC HCP/NCCP

Species	Status ^a			Criteria ^b				Recommended Focal Species ^c	Notes
	Federal	State	CNPS	Range	Status	Threat	Data		
Notes									
<p>a. Status</p> <p>State Status</p> <p>SE State listed as endangered</p> <p>ST State listed as threatened</p> <p>SR State listed as rare</p> <p>Federal Status</p> <p>FE Federally endangered</p> <p>FT Federally threatened</p> <p>California Native Plant Society Ranking</p> <p>1A Presumed extinct in California</p> <p>1B Rare or endangered in California and elsewhere</p> <p>2 Rare or endangered in California but more common elsewhere</p> <p>Native Plant Threat Rankings</p> <p>.1 Seriously threatened in California (high degree/immediacy of threat)</p> <p>.2 Fairly threatened in California (moderate degree/immediacy of threat)</p> <p>.3 Not very threatened in California (low degree/immediacy of threats or no current threats known)</p>									
<p>b. Criteria</p> <p>Range: The species is known to occur or is likely to occur within the Conservation Strategy study area, based on credible evidence, or the species is not currently known in the study area but is expected in the study area in the foreseeable future (e.g., through range expansion or reintroduction to historic range).</p> <p>Status: The species is either:</p> <ul style="list-style-type: none"> ▪ listed under the federal ESA as threatened or endangered, or proposed for listing; ▪ listed under CESA as threatened or endangered or a candidate for such listing, or listed under the Native Plant Protection Act as rare; or ▪ expected to be listed under ESA or CESA within the permit term. Potential for listing during the permit term is based on current listing status, consultation with experts and Wildlife Agency staff, evaluation of species population trends and threats, and best professional judgment. <p>Impact: The species or its habitat would be adversely affected by project related activities in Alameda County.</p> <p>Data: Sufficient data exist on the species' life history, habitat requirements, and occurrence in the study area to adequately evaluate impacts on the species and to develop conservation measures to mitigate these impacts to levels specified by regulatory standards.</p> <p>Species proposed as focal species were limited to those species for which impacts from project in the county were likely, or for which mitigation is often required under CEQA or ESA. However, many other special-status species are expected to benefit from the Conservation Strategy.</p>									
<p>c. Recommended Status</p> <p>Y recommended as a focal species for the EACCS</p> <p>N not recommended as focal species for the EACCS</p>									