

APPENDIX E

SPECIES LISTS AND BIOLOGICAL ASSESSMENT

Plants and Wildlife Observed within the Project Site.

Plants observed.

Family	Scientific Name	Common Name
Agavaceae	<i>Chlorogalum pomeridianum</i> var. <i>pomeridianum</i>	Soaproot
Amaranthaceae	<i>Amaranthus retroflexus</i>	Pigweed
Apiaceae	<i>Lomatium</i> spp.	
Asclepiadaceae	<i>Asclepias californica</i>	California milkweed
	<i>Asclepias fascicularis</i>	Narrow-leaf milkweed
Asteraceae	<i>Acherachaena mollis</i>	Blow-wives
	<i>Baccharis pilularis</i>	Coyote bush
	<i>Calendula arvensis</i>	Field marigold
	<i>Carduus pycnocephalus</i>	Italian thistle
	<i>Centaurea melitensis</i>	Tocalote
	<i>Centaurea solstitialis</i>	Yellow star-thistle
	<i>Conyza canadensis</i>	Horseweed
	<i>Lasthenia gracilis</i>	Goldfields
	<i>Layia platyglossa</i>	Tidy-tips
	<i>Matricaria discoidea</i>	Pineapple weed
	<i>Silybum murianum</i>	Milk thistle
	<i>Sonchus oleraceus</i>	Prickly lettuce
	<i>Taraxicum officianale</i>	Dandelion
	<i>Amsinckia menziesii</i>	Common fiddleneck
	Boraginaceae	<i>Plagiobothrys nothofulvus</i>
<i>Plagiobothrys stipitatus</i> var. <i>micranthus</i>		Popcorn flower
Brassicaceae	<i>Brassica nigra</i>	Wild mustard
	<i>Capsella bursa-pastoris</i>	Shepherds purse
	<i>Hirschfeldia incana</i>	Short pod mustard
	<i>Lepidium nitidum</i> var. <i>nitidum</i>	Peppergrass
	<i>Raphanus sativus</i>	Wild radish
Cactaceae	<i>Opuntia</i> sp.	Prickly pear cactus
Chenopodaceae	<i>Atriplex triangularis</i>	Spearscale
Convolvulaceae	<i>Convolvulus arvensis</i>	Field bindweed
Cyperaceae	<i>Cyperus eragrostis</i>	Nutsedge
	<i>Eleocharis macrostachya</i>	Creeping spike-rush
Euphorbiaceae	<i>Croton setigerus</i>	Doveweed
Fabaceae	<i>Acmispon wrangelianus</i>	Foothill lotus
	<i>Lupinus bicolor</i>	Bicolor lupine
	<i>Medicago polymorpha</i>	Bur clover
	<i>Trifolium depauperatum</i> var. <i>amplectens</i>	Clover
	<i>Vicia sativa</i>	Spring vetch
Fagaceae	<i>Quercus lobata</i>	Valley oak
	<i>Quercus agrifolia</i>	Coast live oak
Geraneaceae	<i>Erodium cicutarium</i>	Filaree
	<i>Geranium dissecta</i>	Cutleaf geranium
Lamiaceae	<i>Lamium amplexicaule</i>	Henbit

	<i>Mentha arvensis</i>	Field mint
	<i>Mentha pulegium</i>	Pennyroyal
	<i>Trichostema lanceolatum</i>	Vinegar weed
Lythraceae	<i>Lythrum hyssopifolium</i>	Hyssop loosestrife
Malvaceae	<i>Malva parviflora</i>	Cheeseweed
	<i>Sidalcea</i> sp.	Checkerbloom
Montiaceae	<i>Calandrinia ciliate</i>	Red maids
Onagraceae	<i>Epilobium ciliatum</i>	Willow herb
Papaveraceae	<i>Eschscholzia californica</i>	California poppy
Plantaginaceae	<i>Plantago erecta</i>	California plantain
	<i>Plantago lanceolata</i>	English plantain
Poaceae	<i>Avena fatua</i>	Wild oat
	<i>Bromus diandrus</i>	Ripgut brome
	<i>Bromus hordeaceus</i>	Soft chess
	<i>Crypsis alopecuroides</i>	Prickle grass
	<i>Cynodon dactylon</i>	Bermuda grass
	<i>Echinochloa crus-gali</i>	Barnyard grass
	<i>Hordeum murinum</i>	Foxtail barley
	<i>Lolium multiflorum</i>	Italian rye grass
	<i>Poa pratensis</i>	Kentucky bluegrass
	<i>Stipa pulchra</i>	Purple needlegrass
	<i>Vulpia myuros</i>	Zorro fescue
Polemoniaceae	<i>Navarretia squarrosa</i>	Skunkweed
Polygonaceae	<i>Polygonum arenastrum</i>	Common knotweed
	<i>Polygonum californicum</i>	California knotweed
	<i>Rumex crispus</i>	Curly dock
Ranunculaceae	<i>Ranunculus californicus</i> var. <i>californicus</i>	California buttercup
Rubiaceae	<i>Galium aparine</i>	
Salicaceae	<i>Populus fremontii</i>	Fremont's cottonwood
Solanaceae	<i>Datura discolor</i>	Jimsonweed
	<i>Solanum nigra</i>	Nightshade
Themidaceae	<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	Bluedicks
	<i>Muilla maritima</i>	Common muilla
Violaceae	<i>Viola pedunculata</i>	Johnny-jump-up
Vitaceae	<i>Vitis vinifera</i> var.	Wine grape varietal
Zygophyllaceae	<i>Tibulus terrestris</i>	Puncture vine

Wildlife observed.

Family	Scientific Name	Common Name
Mammals		
Bovidae	<i>Bos taurus</i>	Domestic cow
Canidae	<i>Canis latrans</i>	Coyote
Equidae	<i>Equus caballus</i>	Domestic horse
Leporidae	<i>Lepus californicus</i>	Black-tailed jackrabbit
Sciuridae	<i>Spermophilus beecheyi</i>	California ground squirrel
Reptiles		
Phrynosomatidae	<i>Sceloporus occidentalis</i>	Western fence lizard
Birds		
Accipitridae	<i>Buteo jamaicensis</i>	Red-tailed hawk

Accipitridae	<i>Buteo lineatus</i>	Red-shouldered hawk
Cathartidae	<i>Cathartes aura</i>	Turkey vulture
Columbidae	<i>Zenaida macroura</i>	Mourning dove
Corvidae	<i>Corvus brachyrhynchos</i>	American crow
	<i>Corvus corax</i>	Common raven
Cuculidae	<i>Geococcyx californianus</i>	Greater roadrunner
Falconidae	<i>Falco sparverius</i>	American kestrel
Hirundinidae	<i>Hirundo rustica</i>	Barn swallow
Icteridae	<i>Agelaius phoeniceus</i>	Red-winged blackbird
	<i>Molothrus ater</i>	Brown-headed cowbird
	<i>Sturnella neglecta</i>	Western meadowlark
Mimidae	<i>Mimus polyglottos</i>	Northern mockingbird
Parulidae	<i>Setophaga coronata</i>	Yellow-rumped warbler
Picidae	<i>Melanerpes formicivorus</i>	Acorn woodpecker
Turdidae	<i>Sialia mexicana</i>	Western bluebird

RECEIVED
11-18-11 CB



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Ventura Fish and Wildlife Office
2493 Portola Road, Suite B
Ventura, California 93003

IN REPLY REFER TO:
08EVEN00-2012-SL1-0005

November 16, 2011

Kelly Bayne
1801 7th Street, Suite 100
Sacramento, California 95811

Subject: Species List Request for the SYI-Camp 4 Project, Santa Barbara County,
California

Dear Mr. Phillips:

This letter responds to your request, dated October 6, 2011, and received in our office via IPaC the same day, for a list of endangered, threatened, proposed, or candidate species that may occur in the vicinity of the SYI-Camp 4 project, Santa Barbara County, California. The project is for an unspecified development project located at 34.624387° N latitude 120.051079° W longitude.

The U.S. Fish and Wildlife Service's (Service) responsibilities include administering the Endangered Species Act of 1973, as amended (Act), including sections 7, 9, and 10. Section 9 of the Act and its implementing regulations prohibit the taking of any federally listed endangered or threatened species. Section 3(19) of the Act defines take to mean to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. Service regulations (50 CFR 17.3) define harm to include significant habitat modification or degradation which actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or sheltering. Harassment is defined by the Service as an intentional or negligent action that creates the likelihood of injury to wildlife by annoying it to such an extent as to significantly disrupt normal behavioral patterns which include, but are not limited to, breeding, feeding, or sheltering. The Act provides for civil and criminal penalties for the unlawful taking of listed species.

Exemptions to the prohibitions against take may be obtained through coordination with the Service in two ways. If the subject project is to be funded, authorized, or carried out by a Federal agency and may affect a listed species, the Federal agency must consult with the Service, pursuant to section 7(a)(2) of the Act. If a proposed project does not involve a Federal agency but may result in the take of a listed animal species, the project proponent should apply for an incidental take permit, pursuant to section 10(a)(1)(B) of the Act. Once you have determined if the proposed project will have a lead Federal agency, we can provide you with more detailed information regarding the section 7 or 10(a)(1)(B) permitting process.

**LISTED AND CANDIDATE SPECIES
THAT MAY OCCUR IN THE VICINITY OF
THE PROPOSED PROJECT, SANTA BARBARA COUNTY, CALIFORNIA**

Birds

Least Bell's vireo	<i>Vireo bellii pusillus</i>	E
--------------------	------------------------------	---

Amphibians

California red-legged frog	<i>Rana draytonii</i>	T
----------------------------	-----------------------	---

California tiger salamander	<i>Ambystoma californiense</i>	E
-----------------------------	--------------------------------	---

Invertebrates

Vernal pool fairy shrimp	<i>Branchinecta lynchi</i>	T, CH
--------------------------	----------------------------	-------

Plants

Gambel's watercress	<i>Rorippa gambellii</i>	E
---------------------	--------------------------	---

Marsh sandwort	<i>Arenaria paludicola</i>	E
----------------	----------------------------	---

Key:

E - Endangered T - Threatened CH - Critical habitat

California Department of Fish and Game
Natural Diversity Database
Selected Elements by Scientific Name - Portrait

Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1 Accipiter cooperii Cooper's hawk	ABNKC12040			G5	S3	
2 Agelaius tricolor tricolored blackbird	ABPBXB0020			G2G3	S2	SC
3 Agrostis hooveri Hoover's bent grass	PMPOA040M0			G2	S2.2	1B.2
4 Anniella pulchra pulchra silvery legless lizard	ARACC01012			G3G4T3T4 Q	S3	SC
5 Arctostaphylos refugioensis Refugio manzanita	PDERI041B0			G2	S2?	1B.2
6 Atriplex serenana var. davidsonii Davidson's saltscale	PDCHE041T1			G5T2?	S2?	1B.2
7 California macrophylla round-leaved filaree	PDGER01070			G2	S2	1B.1
8 Calochortus fimbriatus late-flowered mariposa-lily	PMLIL0D1J2			G3G4	S2.2	1B.2
9 Cordylanthus rigidus ssp. littoralis seaside bird's-beak	PDSCR0J0P2		Endangered	G5T1	S1.1	1B.1
10 Delphinium umbracolorum umbrella larkspur	PDRAN0B1W0			G2G3	S2S3.3	1B.3
11 Emys marmorata western pond turtle	ARAAD02030			G3G4	S3	SC
12 Lasthenia glabrata ssp. coulteri Coulter's goldfields	PDAST5L0A1			G4T3	S2.1	1B.1
13 Lonicera subspicata var. subspicata Santa Barbara honeysuckle	PDCPR030R3			G5T2	S2.2	1B.2
14 Oncorhynchus mykiss irideus southern steelhead - southern California DPS	AFCHA0209J	Endangered		G5T2Q	S2	SC
15 Rana draytonii California red-legged frog	AAABH01022	Threatened		G4T2T3	S2S3	SC
16 Senecio aphanactis chaparral ragwort	PDAST8H060			G3?	S1.2	2.2
17 Southern California Steelhead Stream	CARE2310CA			G?	SNR	
18 Southern Coast Live Oak Riparian Forest	CTT61310CA			G4	S4	
19 Southern Cottonwood Willow Riparian Forest	CTT61330CA			G3	S3.2	
20 Southern Vernal Pool	CTT44300CA			G?	SNR	
21 Southern Willow Scrub	CTT63320CA			G3	S2.1	
22 Thamnophis hammondi two-striped garter snake	ARADB36160			G3	S2	SC
23 Thelypteris puberula var. sonorensis Sonoran maiden fern	PPTHE05192			G5T3	S2.2?	2.2
24 Thermopsis macrophylla Santa Ynez false lupine	PDFAB3Z0E0		Rare	G1	S1.3	1B.3

























CNPS Inventory of Rare and Endangered Plants

Status: Plant Press Manager window with 13 items - Mon, Mar. 19, 2012 15:35 c

- During each visit, we provide you with an empty "Plant Press" for collecting items of interest.
- Several report formats are available. Use the CSV and XML options to download raw data.

Reformat list as:

DELETE unchecked items

open	save	scientific	common	family	CNPS
	<input checked="" type="checkbox"/>	<u>Agrostis hooveri</u> 	Hoover's bent grass	Poaceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Arctostaphylos refugioensis</u> 	Refugio manzanita	Ericaceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>California macrophylla</u> 	round-leaved filaree	Geraniaceae	List 1B.1
	<input checked="" type="checkbox"/>	<u>Calochortus fimbriatus</u>	late-flowered mariposa lily	Liliaceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Caulanthus amplexicaulis</u> var. <u>barbarae</u> 	Santa Barbara jewel-flower	Brassicaceae	List 1B.1
	<input checked="" type="checkbox"/>	<u>Cordylanthus rigidus</u> ssp. <u>littoralis</u> 	seaside bird's-beak	Orobanchaceae	List 1B.1
	<input checked="" type="checkbox"/>	<u>Delphinium umbracolorum</u> 	umbrella larkspur	Ranunculaceae	List 1B.3
	<input checked="" type="checkbox"/>	<u>Fritillaria ojaiensis</u> 	Ojai fritillary	Liliaceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Lasthenia glabrata</u> ssp. <u>coulteri</u> 	Coulter's goldfields	Asteraceae	List 1B.1
	<input checked="" type="checkbox"/>	<u>Lonicera subspicata</u> var. <u>subspicata</u> 	Santa Barbara honeysuckle	Caprifoliaceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Ribes amarum</u> var. <u>hoffmannii</u>	Hoffmann's bitter gooseberry	Grossulariaceae	List 3
	<input checked="" type="checkbox"/>	<u>Senecio aphanactis</u> 	chaparral ragwort	Asteraceae	List 2.2
	<input checked="" type="checkbox"/>	<u>Thermopsis macrophylla</u> 	Santa Ynez false lupine	Fabaceae	List 1B.3

DELETE unchecked items

AES is working with the BIA to initiate consultation with the US Fish and Wildlife Service as required under Section 7 of the Endangered Species Act. Accordingly, the Biological Assessment will be provided under separate cover