

Attachment A: Vicinity, CNDDDB, and Vegetation Maps

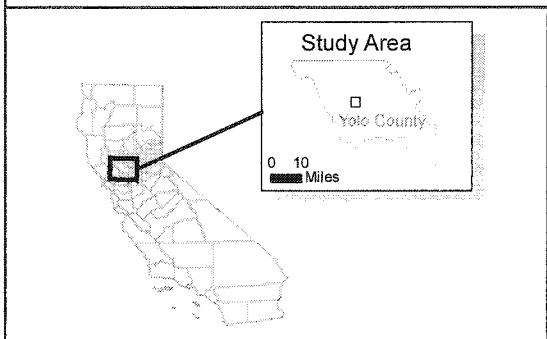
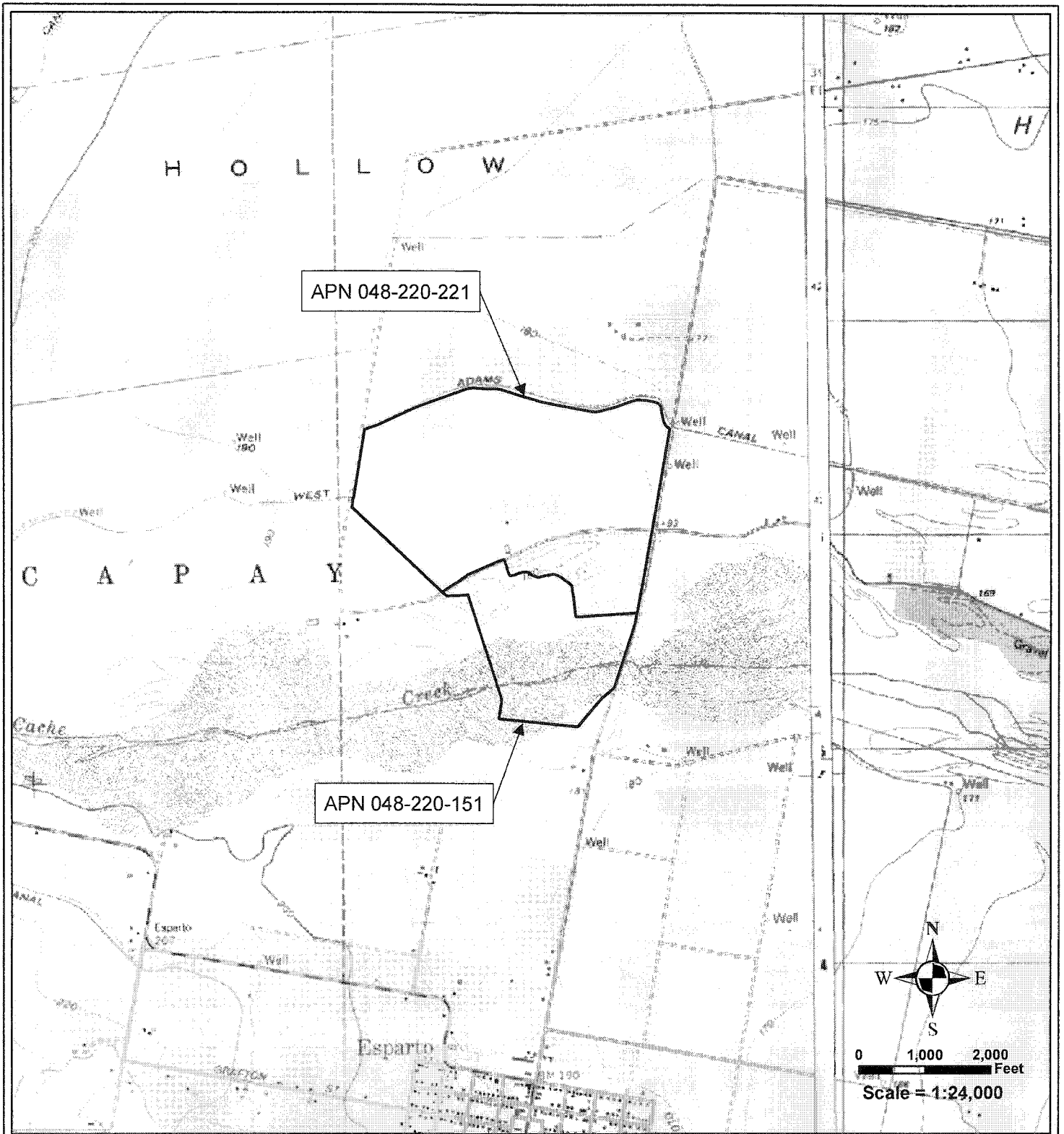
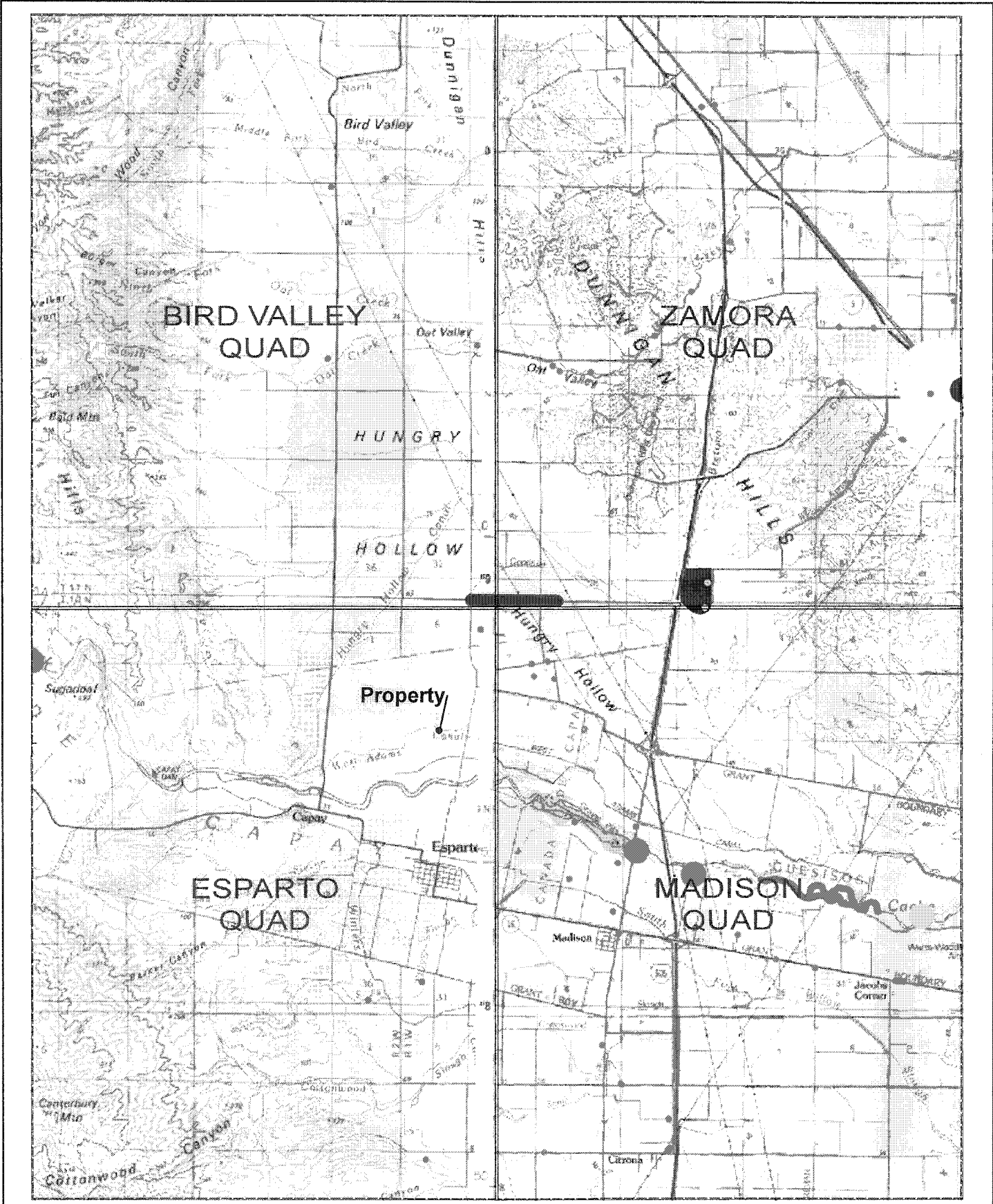


Figure 1
Property Location Map

August 21, 2007











- Swainson's hawk
 - Mountain plover
 - Valley elderberry longhorn beetle
 - Bank swallow
 - Tricolored blackbird
 - Heckard's pepper-grass
 - Burrowing owl
 - California tiger salamander
- DATA: May 2007 CDFG California Natural Diversity Database

Granite Esparto Property
Figure 2. CNDDDB

June 1, 2007





-  Study boundary
-  Cottonwood stand
-  Great Valley Willow Scrub
-  Non-native grassland
-  Riverine
-  Ruderal/Ornamental
-  Orchard
-  Row crop

0 125 250 500 Meters



Granite Esparto Property
Figure 3. Vegetation Map

June 11, 2007

Attachment B: USFWS, CNDDDB, and CNPS Special-Status Species Lists

**Federal Endangered and Threatened Species that Occur in
or may be Affected by Projects in the Counties and/or
U.S.G.S. 7 1/2 Minute Quads you requested**

Document Number: 070515031102

Database Last Updated: March 5, 2007

Quad Lists

MADISON (514B)

Listed Species

Invertebrates

- Branchinecta lynchi*
- vernal pool fairy shrimp (T)*
- Desmocerus californicus dimorphus*
- valley elderberry longhorn beetle (T)*
- Lepidurus packardii*
- vernal pool tadpole shrimp (E)*

Fish

- Hypomesus transpacificus*
- delta smelt (T)*
- Oncorhynchus mykiss*
- Central Valley steelhead (T) (NMFS)*
- Oncorhynchus tshawytscha*
- Central Valley spring-run chinook salmon (T) (NMFS)*
- winter-run chinook salmon, Sacramento River (E) (NMFS)*

Amphibians

- Ambystoma californiense*
- California tiger salamander, central population (T)*
- Rana aurora draytonii*
- California red-legged frog (T)*

Reptiles

- Thamnophis gigas*
- giant garter snake (T)*

Birds

- Haliaeetus leucocephalus*
- bald eagle (T)*

Candidate Species

Fish

- Oncorhynchus tshawytscha*
- Central Valley fall/late fall-run chinook salmon (C) (NMFS)*
- Critical habitat, Central Valley fall/late fall-run chinook (C) (NMFS)*

ESPARTO (515A)

Listed Species

Invertebrates

- Branchinecta lynchi*
- vernal pool fairy shrimp (T)*
- Desmocerus californicus dimorphus*
- valley elderberry longhorn beetle (T)*

Lepidurus packardi
vernal pool tadpole shrimp (E)

Syncaris pacifica
California freshwater shrimp (E)

Fish

Hypomesus transpacificus
delta smelt (T)

Oncorhynchus mykiss
Central Valley steelhead (T) (NMFS)

Oncorhynchus tshawytscha
Central Valley spring-run chinook salmon (T) (NMFS)
winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

Ambystoma californiense
California tiger salamander, central population (T)

Rana aurora draytonii
California red-legged frog (T)

Reptiles

Thamnophis gigas
giant garter snake (T)

Birds

Haliaeetus leucocephalus
bald eagle (T)

Strix occidentalis caurina
northern spotted owl (T)

Candidate Species**Fish**

Oncorhynchus tshawytscha
Central Valley fall/late fall-run chinook salmon (C) (NMFS)
Critical habitat, Central Valley fall/late fall-run chinook (C) (NMFS)

ZAMORA (530C)**Listed Species****Invertebrates**

Branchinecta lynchi
vernal pool fairy shrimp (T)

Desmocerus californicus dimorphus
valley elderberry longhorn beetle (T)

Lepidurus packardi
vernal pool tadpole shrimp (E)

Fish

Hypomesus transpacificus
delta smelt (T)

Oncorhynchus mykiss
Central Valley steelhead (T) (NMFS)

Oncorhynchus tshawytscha
Central Valley spring-run chinook salmon (T) (NMFS)
winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

Ambystoma californiense
California tiger salamander, central population (T)
Critical habitat, CA tiger salamander, central population (X)

Rana aurora draytonii
California red-legged frog (T)

Reptiles

Thamnophis gigas
giant garter snake (T)

Birds

Haliaeetus leucocephalus
bald eagle (T)

Candidate Species

Fish

Oncorhynchus tshawytscha
Central Valley fall/late fall-run chinook salmon (C) (NMFS)
Critical habitat, Central Valley fall/late fall-run chinook (C) (NMFS)

Birds

Coccyzus americanus occidentalis
Western yellow-billed cuckoo (C)

BIRD VALLEY (531D)

Listed Species

Invertebrates

Branchinecta lynchi
vernal pool fairy shrimp (T)
Desmocerus californicus dimorphus
valley elderberry longhorn beetle (T)
Lepidurus packardi
vernal pool tadpole shrimp (E)
Syncaris pacifica
California freshwater shrimp (E)

Fish

Hypomesus transpacificus
delta smelt (T)
Oncorhynchus mykiss
Central Valley steelhead (T) (NMFS)
Oncorhynchus tshawytscha
Central Valley spring-run chinook salmon (T) (NMFS)
winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

Ambystoma californiense
California tiger salamander, central population (T)
Critical habitat, CA tiger salamander, central population (X)
Rana aurora draytonii
California red-legged frog (T)

Reptiles

Thamnophis gigas
giant garter snake (T)

Birds

Haliaeetus leucocephalus
bald eagle (T)
Strix occidentalis caurina
northern spotted owl (T)

Candidate Species

Fish

*Oncorhynchus tshawytscha**Central Valley fall/late fall-run chinook salmon (C) (NMFS)**Critical habitat, Central Valley fall/late fall-run chinook (C) (NMFS)*

County Lists**Yolo County****Listed Species****Invertebrates***Branchinecta conservatio**Conservancy fairy shrimp (E)**Branchinecta lynchi**vernal pool fairy shrimp (T)**Desmocerus californicus dimorphus**valley elderberry longhorn beetle (T)**Lepidurus packardi**Critical habitat, vernal pool tadpole shrimp (X)**vernal pool tadpole shrimp (E)***Fish***Acipenser medirostris**green sturgeon (T) (NMFS)**Hypomesus transpacificus**Critical habitat, delta smelt (X)**delta smelt (T)**Oncorhynchus mykiss**Central Valley steelhead (T) (NMFS)**Critical habitat, Central Valley steelhead (X) (NMFS)**Oncorhynchus tshawytscha**Central Valley spring-run chinook salmon (T) (NMFS)**Critical Habitat, Central Valley spring-run chinook (X) (NMFS)**Critical habitat, winter-run chinook salmon (X) (NMFS)**winter-run chinook salmon, Sacramento River (E) (NMFS)***Amphibians***Ambystoma californiense**California tiger salamander, central population (T)**Critical habitat, CA tiger salamander, central population (X)**Rana aurora draytonii**California red-legged frog (T)***Reptiles***Thamnophis gigas**giant garter snake (T)***Birds**

Haliaeetus leucocephalus
bald eagle (T)

Strix occidentalis caurina
northern spotted owl (T)

Plants

Cordylanthus palmatus
palmate-bracted bird's-beak (E)

Neostapfia colusana
Colusa grass (T)
Critical habitat, Colusa grass (X)

Tuctoria mucronata
Critical habitat, Solano grass (=Crampton's tuctoria) (X)
Solano grass (=Crampton's tuctoria) (E)

Candidate Species

Fish

Oncorhynchus tshawytscha
Central Valley fall/late fall-run chinook salmon (C) (NMFS)
Critical habitat, Central Valley fall/late fall-run chinook (C) (NMFS)

Birds

Coccyzus americanus occidentalis
Western yellow-billed cuckoo (C)

Key:

(E) *Endangered* - Listed as being in danger of extinction.

(T) *Threatened* - Listed as likely to become endangered within the foreseeable future.

(P) *Proposed* - Officially proposed in the Federal Register for listing as endangered or threatened.

(NMFS) Species under the Jurisdiction of the National Oceanic & Atmospheric Administration Fisheries Service. Consult with them directly about these species.

Critical Habitat - Area essential to the conservation of a species.

(PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.

(C) *Candidate* - Candidate to become a proposed species.

(V) Vacated by a court order. Not currently in effect. Being reviewed by the Service.

(X) *Critical Habitat* designated for this species

Important Information About Your Species List

How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, **or may be affected by** projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

Plants

Any plants on your list are ones that have actually been observed in the area covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

Surveying

Some of the species on your list may not be affected by your project. A trained biologist or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

Your Responsibilities Under the Endangered Species Act

All animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal [consultation](#) with the Service.

During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.

- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project.

Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as [critical habitat](#). These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

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

Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1 <i>Ambystoma californiense</i> California tiger salamander	AAAAA01180	Threatened		G2G3	S2S3	SC
2 <i>Branchinecta conservatio</i> Conservancy fairy shrimp	ICBRA03010	Endangered		G1	S1	
3 <i>Branchinecta lynchi</i> vernal pool fairy shrimp	ICBRA03030	Threatened		G3	S2S3	
4 <i>Buteo swainsoni</i> Swainson's hawk	ABNKC19070		Threatened	G5	S2	
5 <i>Charadrius alexandrinus nivosus</i> western snowy plover	ABNNB03031	Threatened		G4T3	S2	SC
6 <i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	ABNRB02022	Candidate	Endangered	G5T2Q	S1	
7 <i>Cordylanthus palmatus</i> palmate-bracted bird's-beak	PDSCR0J0J0	Endangered	Endangered	G1	S1.1	1B.1
8 <i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	IICOL48011	Threatened		G3T2	S2	
9 <i>Lepidurus packardii</i> vernal pool tadpole shrimp	ICBRA10010	Endangered		G3	S2S3	
10 <i>Neostapfia colusana</i> Colusa grass	PMPOA4C010	Threatened	Endangered	G3	S3.1	1B.1
11 <i>Riparia riparia</i> bank swallow	ABPAU08010		Threatened	G5	S2S3	
12 <i>Thamnophis gigas</i> giant garter snake	ARADB36150	Threatened	Threatened	G2G3	S2S3	
13 <i>Tuctoria mucronata</i> Crampton's tuctoria or Solano grass	PMPOA6N020	Endangered	Endangered	G1	S1.1	1B.1

California Department of Fish and Game
 Natural Diversity Database-Esparto, Zamora, Bird Valley, and Madison Quads
 CNDDB Wide Tabular Report

Name (Scientific/Common)	CNDDB Ranks	Other Lists	Listing Status	Total EO's	Element Occ Ranks										Population Status			Presence		
					A	B	C	D	X	U	Historic >20 yr	Recent <=20 yr	Pres. Extant	Poss. Extrap.	Extrtp.					
<i>Agelaius tricolor</i> tricolored blackbird	G2G3 S2	CDFG: SC	Fed: None Cal: None	421 S:1	0	0	0	0	0	0	1	0	0	0	0	1	0	0		
<i>Ambystoma californiense</i> California tiger salamander	G2G3 S2S3	CDFG: SC	Fed: Threatened Cal: None	930 S:2	0	1	0	0	1	0	1	1	1	0	1	1	0	1		
<i>Andrena biennospermatis</i> A vernal pool andrenid bee	G2 S2	CDFG:	Fed: None Cal: None	15 S:1	0	0	0	0	0	1	0	1	0	0	1	1	0	0		
<i>Athene cucularia</i> burrowing owl	G4 S2	CDFG: SC	Fed: None Cal: None	861 S:3	0	3	0	0	0	0	0	3	0	0	3	3	0	0		
<i>Buteo swainsoni</i> Swainson's hawk	G5 S2	CDFG:	Fed: None Cal: Threatened	1639 S:41	4	24	10	1	0	2	0	41	0	0	41	0	0	0		
<i>Charadrius montanus</i> mountain plover	G2 S2?	CDFG: SC	Fed: None Cal: None	38 S:3	1	1	0	0	0	1	0	3	0	0	3	3	0	0		
<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	G3T2 S2	CDFG:	Fed: Threatened Cal: None	194 S:1	0	1	0	0	0	0	0	1	0	0	1	1	0	0		
<i>Lepidium latipes var. heckardii</i> Heckard's pepper-grass	G4T1 S1.2	CNPS: 1B.2	Fed: None Cal: None	11 S:1	0	0	0	0	0	1	1	0	1	0	1	1	0	0		
<i>Nycticorax nycticorax</i> black-crowned night heron	G5 S3	CDFG:	Fed: None Cal: None	23 S:1	0	0	1	0	0	0	0	1	0	0	1	1	0	0		
<i>Riparia riparia</i> bank swallow	G5 S2S3	CDFG:	Fed: None Cal: Threatened	189 S:4	0	1	0	0	0	3	4	0	0	0	4	0	0	0		

CNPS Inventory of Rare and Endangered Plants

Status: Plant Press Manager window with 1 items - Tue, May. 15, 2007 14:24 c

Reformat list as:

ECOLOGICAL REPORT

scientific	family	life form	blooming	communities	elevation	CNPS
<u>Lepidium</u> <u>latipes</u> var. <u>heckardii</u>	Brassicaceae	annual herb	Mar-May	•Valley and foothill grassland (VFGrs)(alkaline flats)	10 - 200 meters	List 1B.2

Attachment C: Photo Exhibit



Photo 1: Walnut orchard and row crop along Fulton & Frank Lane; view east.



Photo 2: Disked field and disturbed lot adjacent to barn and house; view north.

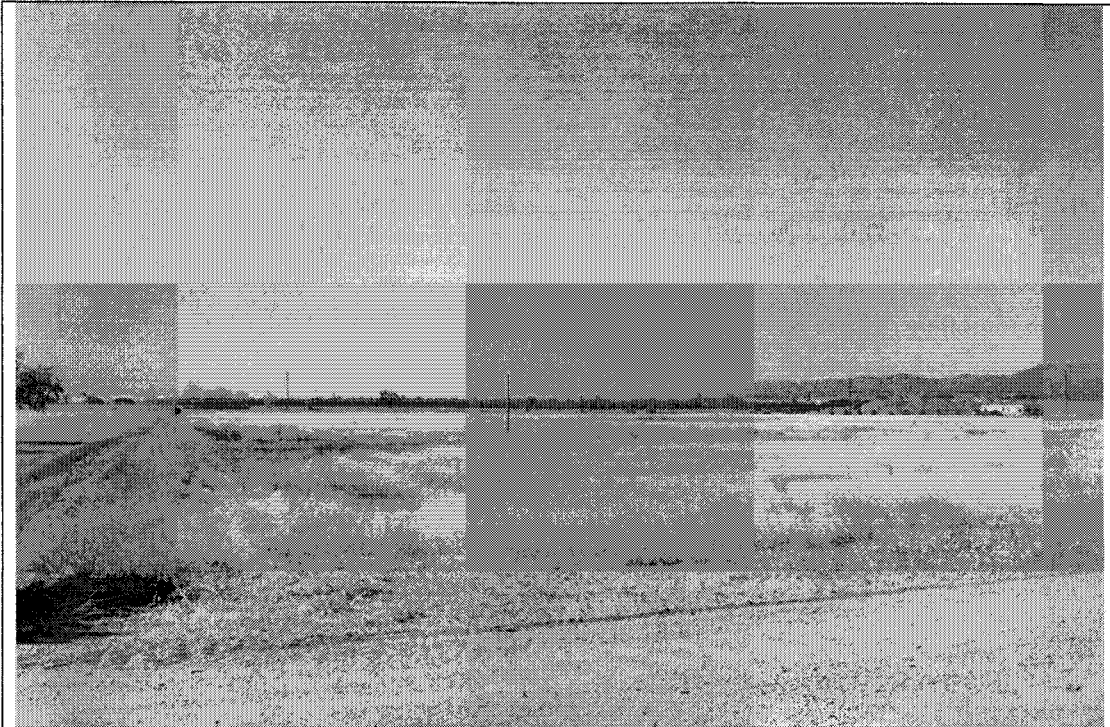


Photo 3: Non-native grasslands south of Fulton & Frank Lane; view south toward Cache Creek.

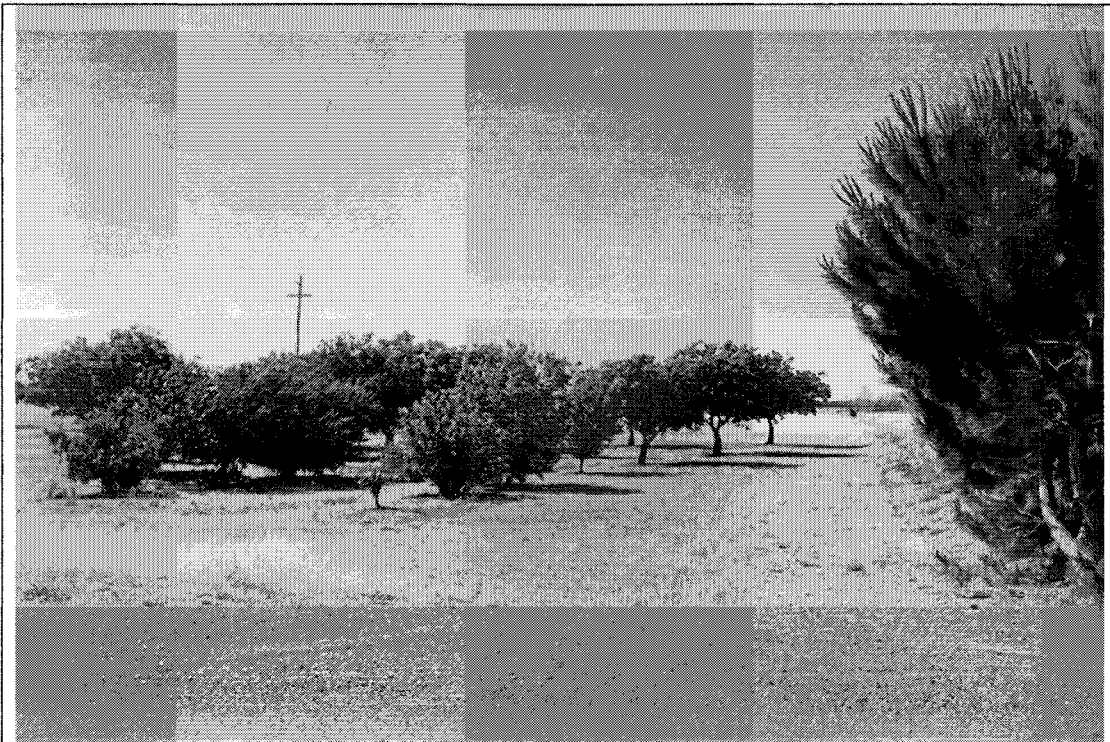


Photo 4: Walnut orchard and pine tree south of barn; view south.

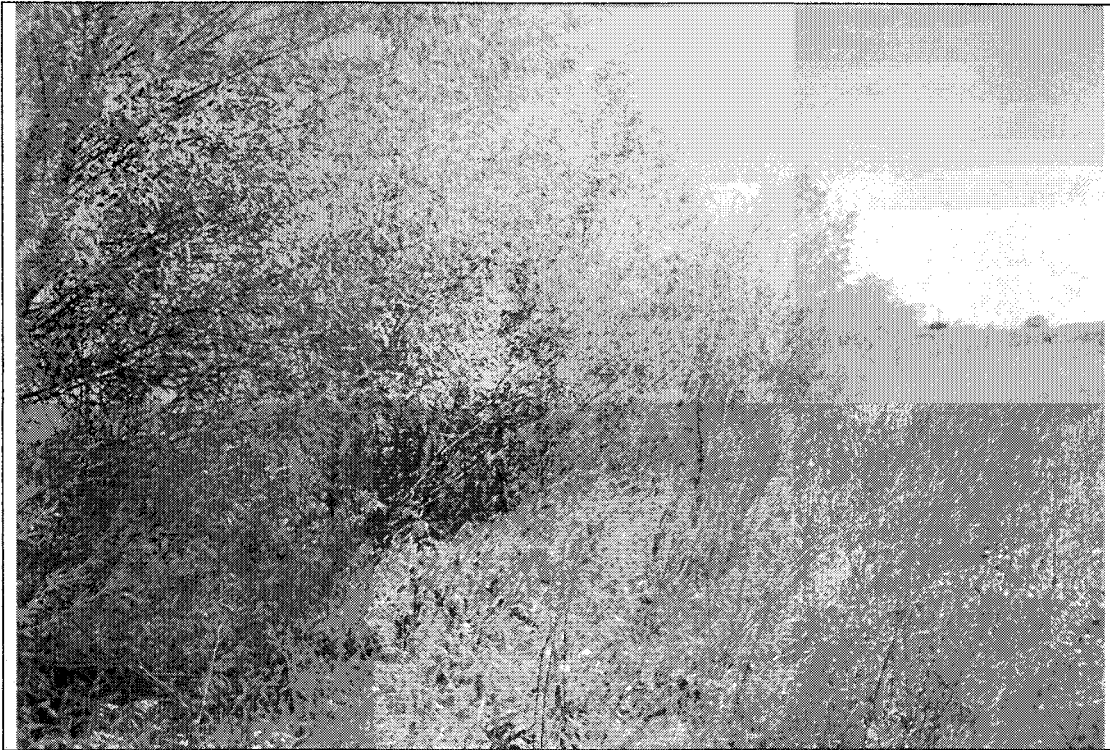


Photo 5: Great valley willow scrub habitat near Cache Creek.



Photo 6: Cache Creek creek bed and willow scrub; view west.

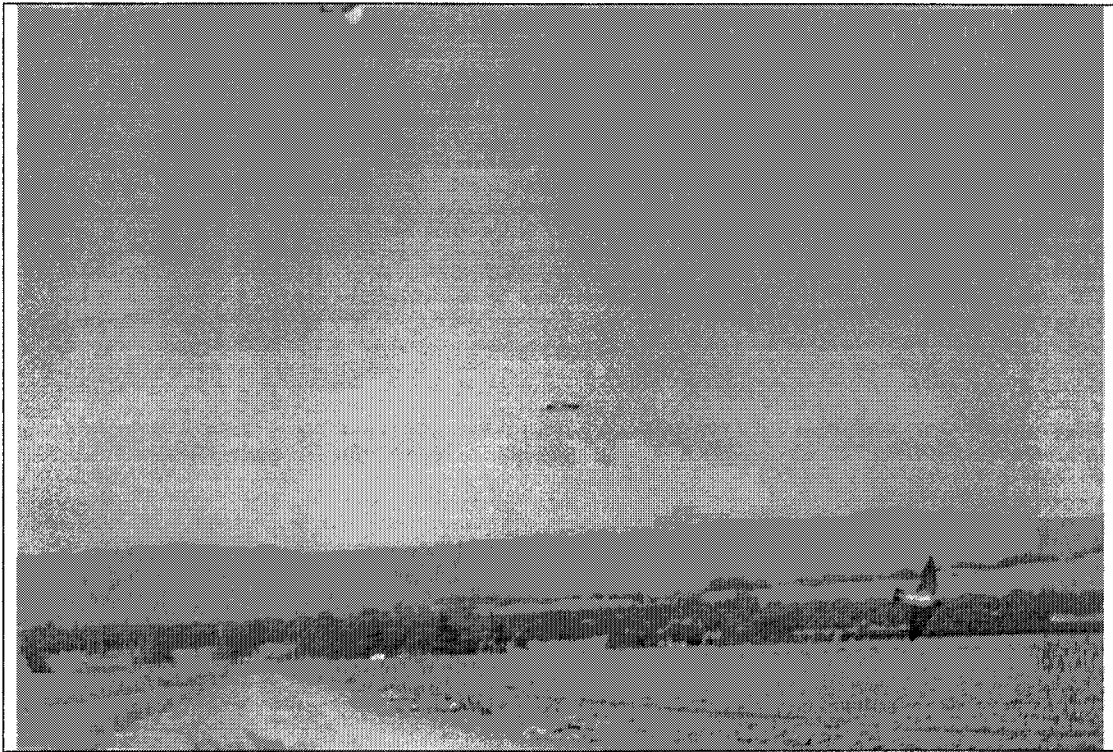


Photo 7: Cliff swallows foraging near irrigation canal; view west.