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*Consulting Biologist and Designated Biologist-Retired*  
*6645 Yount Street, Yountville, CA 94599*  
*Telephone and Fax Number (707) 944-8451*

TO: John Webb, Albion Surveys, 1113 Hunt Avenue, St. Helena, CA 94574  
FROM: Theodore Wooster, Consulting Biologist  
SUBJECT: Tentative Parcel Map for Lands of Fisher, Napa County

On July 31, 2007 and November 19, 2007, I received additional information regarding Parcel 4 of the subject tentative map. As now proposed, the house site is to be located in the northwest corner of the parcel just above Partrick Road.

This location should not result in any significant adverse effects to the two known activity centers of northern spotted owls that are located over 1000 feet from this site. Both centers have sufficient NSO habitat within 1.3 miles of their activity centers to meet the "bullseye" habitat requirements by the California Department of Fish and Game and the U.S. Fish and Wildlife Service for determining whether there is a "take" or not.

I have also included a map of the montane-hardwood conifer habitat for the parcel map (Figure 1). The remainder of the habitat is either grass lands or small patches of oak woodland.

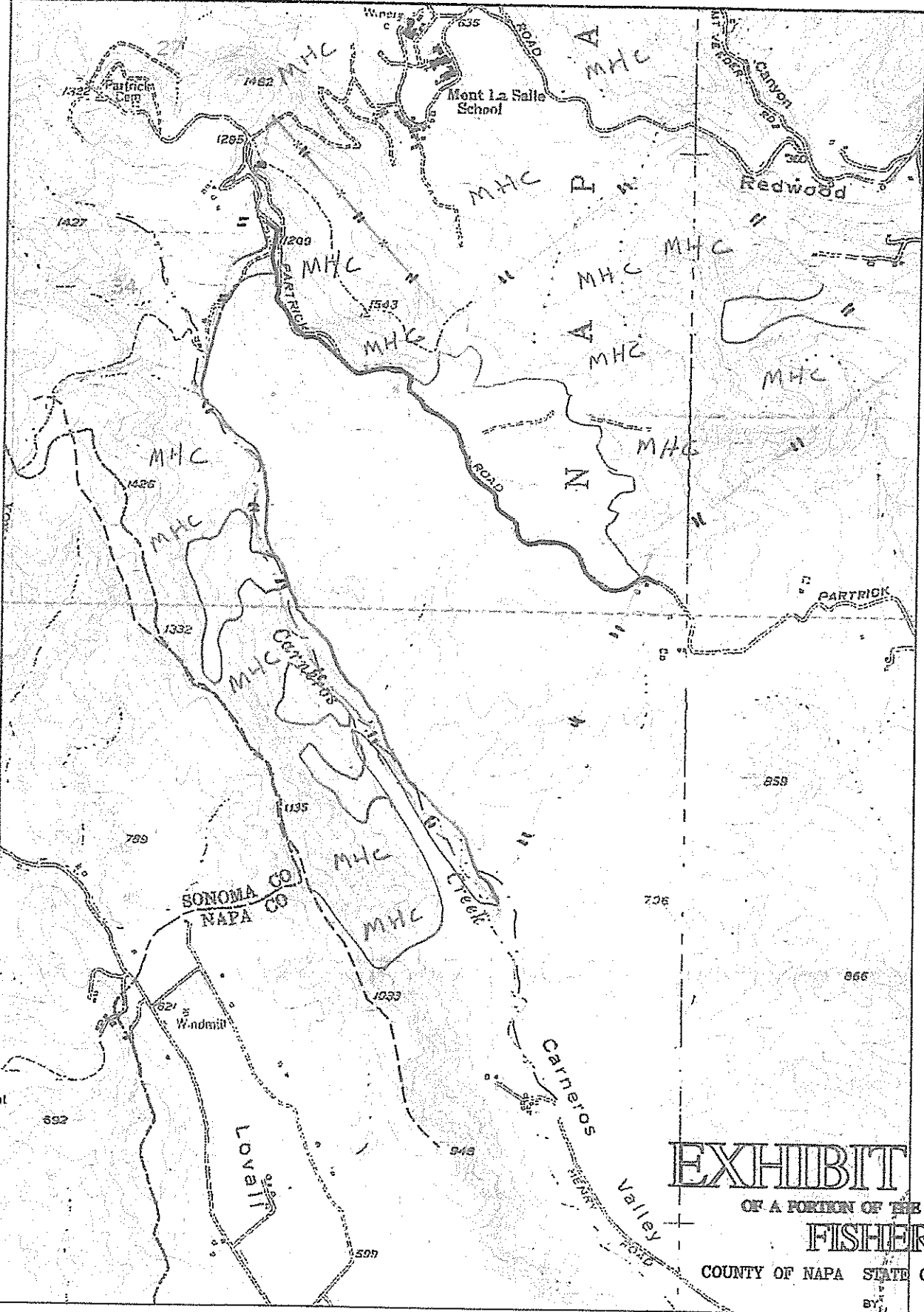
Signed *Theodore W. Wooster*  
Theodore W. Wooster  
Consulting Biologist

Dated 11/23/07

RECEIVED

NOV 27 2007

NAPO CO. CONSERVATION  
DEVELOPMENT & PLANNING DEPT.



# EXHIBIT MAP

OF A PORTION OF THE LANDS OF

## FISHER


COUNTY OF NAPA STATE OF CALIFORNIA

BY  
ALBION SURVEYS, INC.  
ST. HELENA, CALIFORNIA



MHC - Montane Hardwood Conifer



 = Fisher Parcel Division

*Theodore W. Wooster*  
*Consulting Biologist and Designated Biologist-Retired*  
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**Raptor and Other Wildlife Report for the Fisher Parcel Division**  
**Partrick Road, Napa County**

**Introduction**

At the request of John Webb, Albion Surveyors on May 14, 2003, I surveyed the fish and wildlife resources involved in a portion of the lands of Fisher located east and west of Partrick Road, Napa County. Figure 1 indicates the project area and the area surveyed for evidence of raptor use, other wildlife use and any aquatic resources. In addition, habitat types were field inspected to determine their relative values to natural resources. Individual survey stations for northern spotted owls and other raptors are shown in Figure 2.

**Plan Description**

The property involves plus or minus 1213 acres divided into six parcels as follows: Parcel 1 - 122 acres, Parcel 2 - 200 acres, Parcel 3 - 193 acres, Parcel 4 - 270 acres, Parcel 5 - 200 acres and Parcel 6 - 228 acres. Within each parcel is a proposed building site and attendant access roads. Generally, these house sites are adjacent to Partrick Road or on a prominent ridge area to capture the view of Napa Valley and/or the Bay. An important consideration is that the building sites are on 5 percent or less slopes and all driveways are on less than 30 percent slope. The majority of the property is grazed grassland. In addition there are areas of montane hardwood-conifer, valley foothill hardwood, chaparral and locustrine (ponds) (Mayer and Laudenslayer, Jr. 1988) (Figure 3).

**Landscape**

The project area is surrounded by the following: grassland and rural residential to the northwest, forest and vineyards to north, vineyards and rural residential to the northeast, patches of oak woodland and grassland to the southeast, grassland and oak woodland to the south and montane hardwood-conifer to the west of Carneros Creek, which forms the west boundary of the project area.

**Survey Dates**

I began surveying in the Conn Creek drainage in 1990 while investigating activity centers for Northern spotted owls. In 2003, I surveyed the project area on May 14, May 26, June 2, June 3, June 8 and June 17, 2003. Adjacent areas were surveyed for Northern spotted owls on February 25, March 3 and March 10, 2003 (Table 1).

**Methods**

Before the surveys were conducted the following documents were reviewed:

1. California Department of Fish and Game Natural Diversity Data Base - List of elements and Status by Code, dated May 27, 2003.
2. California Department of Fish and Game Natural Diversity Data Base, May 27, 2003 printout for the Sonoma 7 1/2 Minute U.S.G.S. Quad.
3. California Department of Fish and Game and California Department of Forestry and Fire Protection, May 21, 2003 Northern Spotted Owl Data Base Management System printout.

In addition, I interviewed the land manager, Mary Pettris who has resided on the ranch for many years and has observed numerous species of wildlife over the years.

Three survey methods were used to determine whether raptors were or could be expected to nest on the project areas. The results from each survey method are included.

1. Habitat assessment - to determine whether habitat was suitable for raptor nesting such as:
  - a) presence or absence of cliffs, rock outcrops for peregrine falcon nest
  - b) whether the quality and quantity of forest habitat could support Northern spotted owls, etc.

The property was visited six times in 2003. Based on these surveys and my knowledge of the lands adjacent to it, Table 2 was prepared which provides an analysis of what raptor species are within the

range of the plan, their nesting requirements and whether breeding habitat is present on the area now or in the future.

2. Searching for past and present evidence of use - walked through areas of the plan and searched for past or present raptor nest sites and evidence of use such as raptor feathers, wash pellets and/or plucking posts. Used voice calls, a whistle and tapes to elicit raptor responses while inspecting areas. A pair of Steiner 10x42 binoculars were used during these searches. I also listened for raptor vocalizations.
3. Play tapes of forest raptors and listened for raptor vocalizations - tapes include Coopers, sharp-shinned hawks and Northern spotted owls. Tapes were played on Walkman with a Radio Shack portable loud speaker.

The several man made ponds on the property were searched during daylight hours using binoculars and a sixteen inch diameter dip net. Nighttime surveys of the ponds were limited to listening to vocalization of bullfrogs, etc.

### Results and Discussion

The property involves over 1213 acres. As a result high diversity of wildlife were expected. However, such diversity was not documented. The majority of the property is hot and dry, grazed grassland (Photo 1 and 2) and as such supports common species of grasses and introduced weeds such as bull thistle, star thistle and Italian thistle. In addition, there are areas where French Broom is invading the grassland (Lot 5). The majority of species associated with the grasslands and scrubs are California quail, meadowlarks, and occasional foraging red shouldered hawk (Attachments 1 through 4). The ranch manager indicated she has detected black shouldered kites, mountain lions and burrowing owls in the past. None were observed during my surveys.

One of the most important habitats on the property are the man made ponds which have attracted and hold numerous species of wildlife including bullfrogs, American Coots, red-winged blackbirds, western pond turtle, king fishers, great blue herons, etc. (see Attachments 1 through 4) and (Photos 3 and 4).

Another important habitat is the montane hardwood-conifer forest in the north end of Lot 1 and Lot 2 (Photo 5) and the east ends of Lot 5 and 6. This same forest type is also found on the west side of Carneros Creek adjacent to Lots 1, 2 and 3. As a result of my surveys a new activity center for a single male Northern spotted owl (NSO) was found just west of Lot 1 (Photo 6) and (Attachments 8 through 10). The forested area at the north end of Lots 1 and 2 are also valuable foraging and roosting areas for the pair of NSO's (NP10) whose activity center is in the forest on the Institute de LaSalle property.


Another important habitat is the riverine habitat, Carneros Creek, which forms the west property border for this land division. There is an existing warm water reservoir upstream (Photo 7) of the Lot 1 stream boundary. As a result the stream is essentially a warm water stream with warm water fish (Photo 8 and Attachment 2). As is noted in Attachment 2 there are numerous warm water aquatic species in the reservoir.

During daylight hours, I searched the ponds for the Federally listed California red-legged frog. None were heard or observed. There is no history of its presence in this drainage and none are expected in the ponds because (1) they are full of bullfrogs, (2) they are full of warm water fish and (3) they are permanent ponds which is to the advantage of the bullfrogs. The area is also not within the critical habitat maps published by U. S. Fish and Wildlife Service on March 15, 2001. The proposed building sites for the six lots do not involve any of the aquatic resources reviewed.

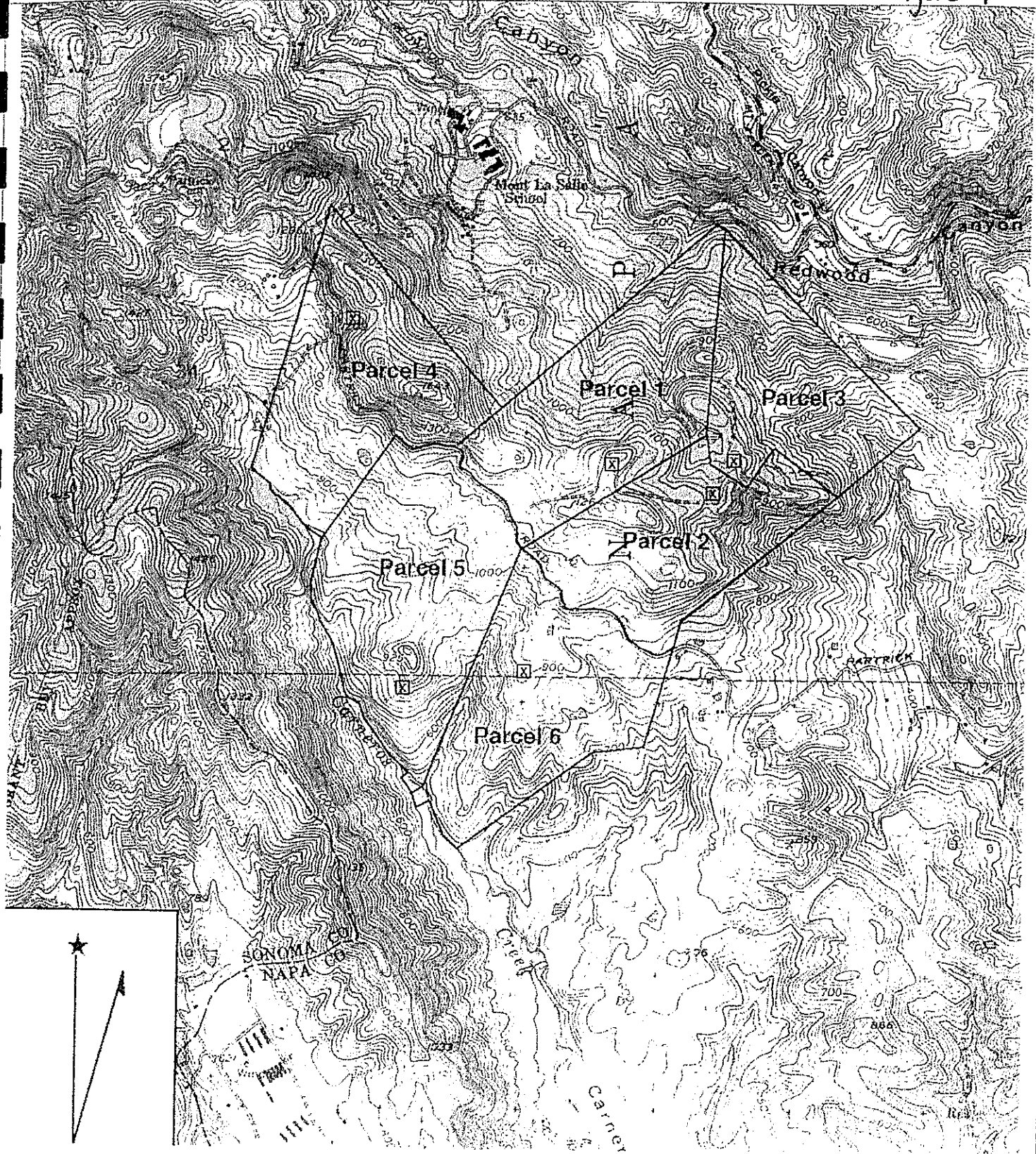
The pads and driveways also do not impact the montane hardwood-conifer or oak woodland habitats except in Lots 1 and 2. Technical Assistance from the U. S. Fish and Wildlife Service would be necessary before proceeding with any building sites in these two lots east of Partrick Road.

One additional unique feature I found in my surveys was a California laurel (Bay tree) *Umbellularia California* that is 9.5 feet in diameter (Photo 9). It is located just north of the cattle corral in Lot 4. It has such a large crown that all the cattle use it for shade at one time. The house pad, as presently proposed in Lot 4, will not affect this tree.

In summary, as presently proposed the house pads and driveways for Lots 4, 5 and 6 will not have a negative effect on any listed or unique natural resources. The house pads and driveways for Lots 1, 2 and 3 could have a negative effect on the montane hardwood-conifer forest habitat on the east side of Partrick Road and in turn the habitat for the existing NSO activity center NP10. Relocation of these structures to other parts of the lots would avoid these effects.

Signed   
Theodore W. Wooster  
Consulting Biologist

Date 6/21/03



Reference: Maptech TopoQuad, Sonoma - Napa, California Quadrangle

Scale: 1" = 2000'

☒ Approximate Proposed Building Site.

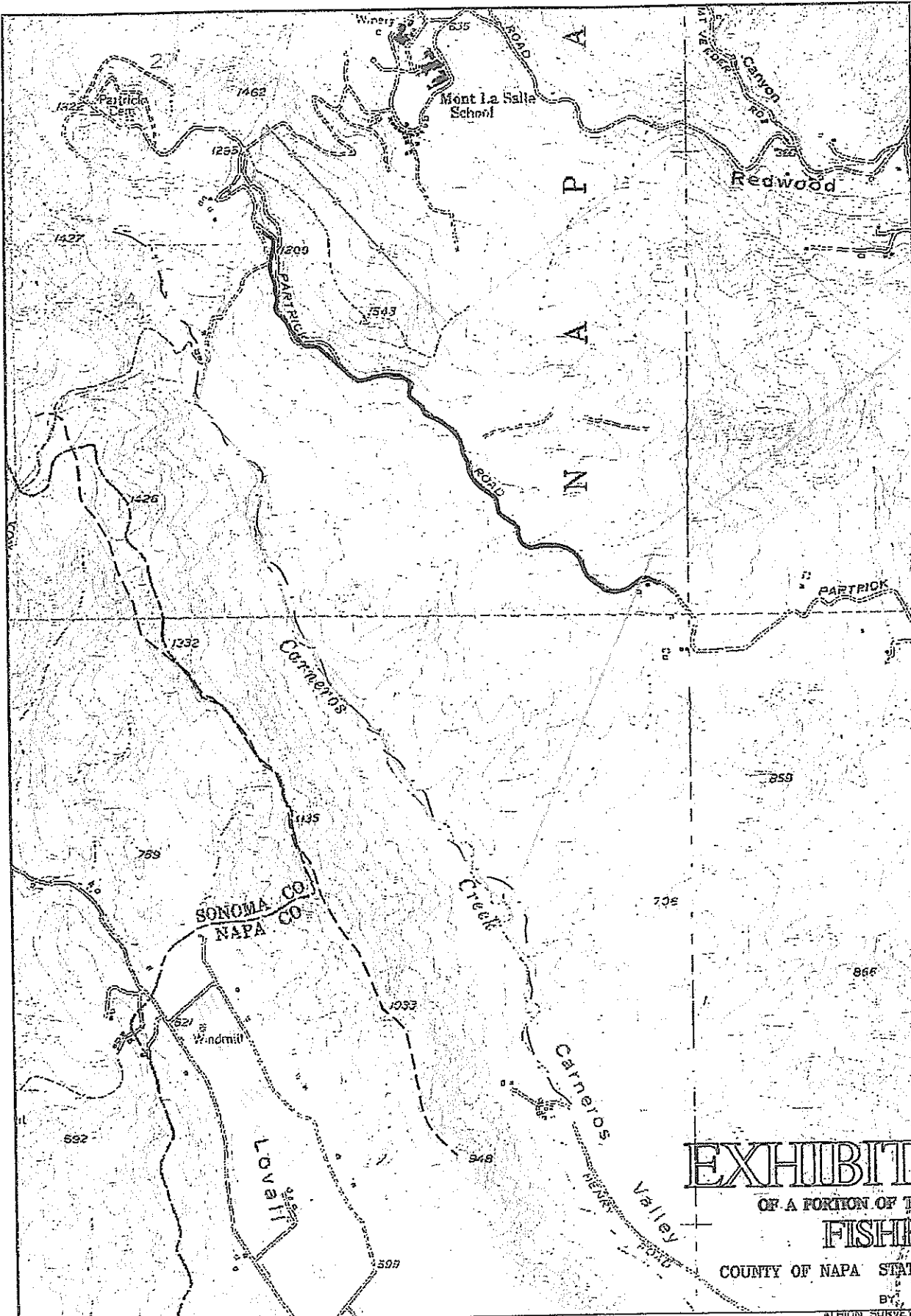
Proposed New Parcel Boundaries inferred from Tentative Parcel Map by Albion Surveys, dated 8-31-07 and last revised 10-9-07. Map shown on Plate 2.

R  
G  
H  
Consultants, Inc.

Job No: 5514.03.01 2  
 Appr: *[Signature]*  
 Drwn: II  
 Date: November 2007

**SITE LOCATION MAP**  
 Fisher Property Split II  
 2435 Partrick Road  
 Napa, California

PLATE  
 1



# EXHIBIT MAP

OF A PORTION OF THE LANDS OF

## FISHER

COUNTY OF NAPA STATE OF CALIFORNIA

By

ALBION SURVEYS, INC.  
ST. HELENA, CALIFORNIA

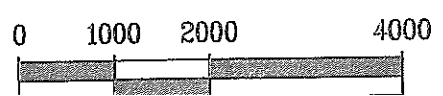
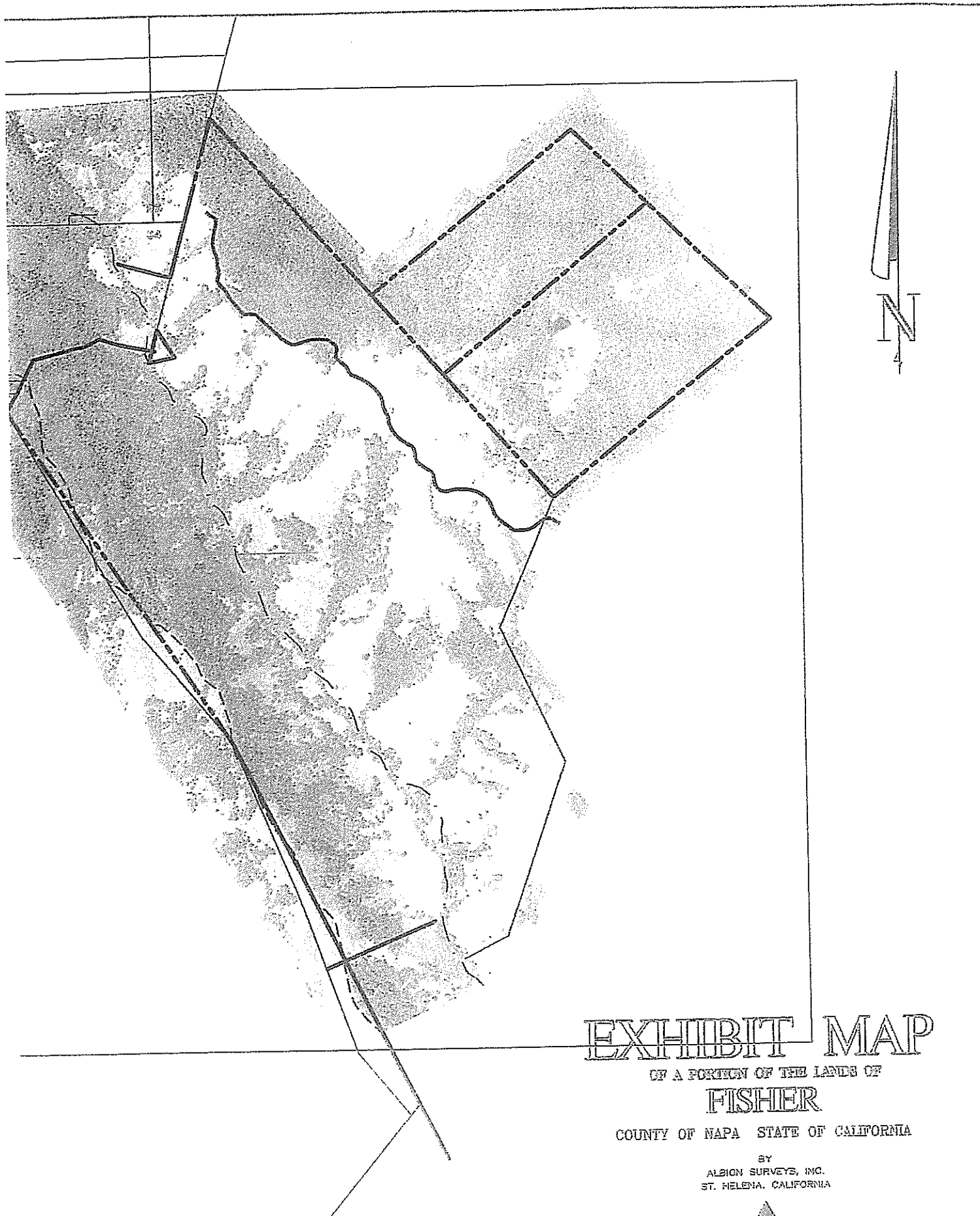


FIGURE 3



# EXHIBIT MAP

OF A PORTION OF THE LANDS OF

## FISHER

COUNTY OF NAPA STATE OF CALIFORNIA

BY  
ALBION SURVEYS, INC.  
ST. HELENA, CALIFORNIA





TABLE 1

Surveys On Or Adjacent To Fisher Project

<u>Date</u>	<u>Purpose</u>	<u>Location</u>
02/25/03	NSO survey	adjacent
03/03/03	NSO survey	adjacent
03/10/03	NSO survey	adjacent
05/14/03	Wildlife and aquatic surveys	on site
05/26/03	NSO survey	on site
06/02/03	NSO survey	on site
06/03/03	NSO survey Wildlife and aquatic surveys	on site
06/08/03	Wildlife and aquatic surveys	on site
06/17/03	NSO survey	on site

TABLE 2

Raptor Species within range of the plan, nesting requirements and whether their nesting habitat is found on or adjacent to the Fisher Project, Napa County.

<u>Species</u>	<u>Breeding Habitat Needed</u>	<u>1. Breeding Habitat Present on Area Now or in the Future</u>	<u>2. Other Comments</u>
<b><u>Accipitidae</u></b>			
Osprey	habitats adjacent to bodies of water that support large fish	1. no	
Black-shouldered kite	marsh, streamside, grasslands and orchards	1. yes 2. has been observed by the ranch manager	
Bald eagle	nests constructed near large streams, lakes and reservoirs	1. no	
Golden eagle	open woodlands as well as mountainous areas - forages, for larger rodents, snakes, etc., in grassy open areas	1. possible 2. due to increase human activity in the area and loss of former prey bases, golden eagles aren't expected anymore	
Northern harrier	marshlands and open fields	1. yes	
Sharp-shinned hawk	forested areas - nests in trees in uniform stands of pole sized trees with high canopy - requires good populations of small birds in vicinity of nest site	1. yes	
Coopers hawk	broken woodlands or streamside groves, especially deciduous; preys largely on songbirds	1. yes	
Northern goshawk	mature forests with good flying space	1. no 2. area not in known breeding range	
Red-shouldered hawk	wooded areas along streams, agricultural areas with strips	1. yes 2. several observations made of RSH's during surveys - juvenile found dead on ranch in 2003	
Red-tailed hawk	nests in forest and woodland edges - forages over grasslands	1. yes	
<b><u>Falconidae</u></b>			
American kestrel	open woodlands, along road sides adjacent to agricultural areas and fallow areas	1. yes	

Peregrine falcon	requires cliffs, large rock outcrops or tall buildings for nest sites	1. no 2. no nest sites present
<b><u>Strigidae and Tylonidae</u></b>		
Western screech owl	oak woodland and mixed oak and Douglas fir forests - nests in old woodpecker holes or cavities - also in man-made crevices - birdhouses	1. yes
Great horned owl	forested areas to cities - nests in trees, caves and on the ground	1. yes
Northern pygmy owl	in mixed coast redwood and Douglas fir forests, wooded canyons mixed Douglas fir and oak woodlands or in areas of gray pines - nests in abandoned woodpecker cavity (see PG&E 1987 Report)	1. yes
Northern spotted owl	contiguous conifer/oak forests with good flying space and prey bases	1. yes 2. a single male has been located in 2003 just southwest of Lot 1 - NSO habitat is present on the northeast ends of Lots 1 and 2
Barred owl	see Northern spotted owl	1. yes
Long eared owl	low land oak and willow riparian areas with open grasslands nearby for foraging	1. no
Northern saw-whet owl	prefers dense oaks inter-mixed with conifers - also, uses more open coniferous forest, live oaks - nests in cavity, especially abandoned hole of N. Flicker or pileated woodpecker	1. yes

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*Theodore W. Wooster  
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6645 Yount Street, Yountville, CA 94599  
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**TO:** Fisher Property File  
**FROM:** Theodore Wooster, Consulting Biologist  
**SUBJECT:** Field Surveys on May 14, 2003 from 0930 to 1526

At approximately 0930, I met with Jon Webb, Engineer and Mary Pettis, Land Manager at the site of proposed building Lots 4, 5 and 6 off Partrick Road, Napa County on the Fisher Property.

Weather was clear, warm and a light breeze.

Ms. Pettis and I discussed wildlife she has seen in the past on the ranch. She indicated she has observed burrowing owls, golden eagles, coyotes, red tailed and red shouldered hawks, bullfrogs in the ponds, cormorants, pileated woodpeckers on the south ridge, mountain lions and white shouldered kites. Also, red winged black birds and lots of Valley quail and deer. She also indicated she hasn't seen the golden eagles or the burrowing owls in recent years.

I then started into Lot 4 east of Partrick Road and covered most of building site areas for Lot 5.

All these areas are cattle grazed and as a result most of the area is rolling grassland. Thistles, mustard and wild radish were all blooming.

Heard a mourning dove west of Partrick Road at 1047.

Noted large elderberry bush all by itself. Scattered blooming California poppies near it. Took photos of this patch and blooming plum tree.

At 1058 heard red shouldered hawk vocalizing northwest adjacent to conifer forest habitat.

Numerous patches of coyote bush. Most have Valley quail utilizing them. Looked at bay laurel forest on knoll to the northwest portion of Lot 5. Jumble of 16 inch diameter rocks. Noted miners lettuce and geraniums. Gray squirrel heard in this area as well as a Stellar jay. Measured a 42 inch DBH bay laurel on ridge. Live oak next to it with cattle browse line.

Noted blue eyed grass and pimpernel in bloom. Bay breeze came in at 1130. Other plants noted were rattlesnake grass plantain, broken dorn. Noted fence lizard on a two foot diameter rock. Two turkey vultures soaring over area at 1301.

Walked up to Alternate B building site in Lot 5. There is a well casing at this site. Area is either grassland or patches of coyote brush or French broom on way up to sit. Noted several valley quail. Area all subject to grazing. Only place cattle can not get to is rocky knoll. (see Figure 1).

At 1304 heard red shouldered hawk vocalizing to northwest near conifer forest. Flagged a patch of oak woodland that is potential nest grove for hawks. Has one large oak snag in it. Searched area for nests and vocalized red shouldered hawk sounds. No nests were noted and no red shouldered hawks detected there. Heard black headed grosbeak in area.

Walked back to vehicle on Partrick Road. Noted pair of large domestic pigeons at 1440 by road at gate.

They were feeding where hay, etc. has been put in the past.

Pair of ravens soaring over grassland west of road at 1445. Area is near Mile Post 2.75. Took several photos of area around building site Lot 4, Alternative A (see Figure 2).

Presently there is a metal corral for cattle in this area. Measured a 9.5 foot diameter (114 inches) bay laurel which the cattle use for shade. Noted mourning doves at 1505 and 1514 in an adjacent bay laurel patch (Figure 2).

Finished surveying at 1521.

Signed Theodore W. Wooster  
Theodore W. Wooster  
Consulting Biologist

Date 5/15/03

*Theodore W. Wooster*  
*Consulting Biologist and Designated Biologist-Retired*  
*6645 Yount Street, Yountville, CA 94599*  
*Telephone and Fax Number (707) 944-8451*

**TO:** Fisher Property File  
**FROM:** Theodore Wooster, Consulting Biologist  
**SUBJECT:** Field Surveys on June 3, 2003 from 0901 to 1225

Started into Lot 2 on west side of Partrick Road at 0901. Weather was clear and calm. Walked down to large pond. Noted pair of red winged black birds in rushes. Counted ten adult coots and one baby one. Heard raven down in canyon at 0930 and pileated woodpecker in wooded area at 0931. Bullfrogs were vocalizing around pond.

Heard red shouldered hawk vocalizing in patch of oak woodland to the south at 1014 and two turkey vultures soaring over area. Noted one western pond turtle. Walked along 90 feet of the shoreline and counted eleven bullfrogs. Then walked along rest of west shore of pond and counted another 21 large bullfrogs. Around pond are large patches of Himalayan berry. Several valley quail were heard or seen associated with these patches (See Figure 1 for drawing of pond and wildlife around it).

I then walked down through the grassland down to Carneros Creek. I started calling for Northern spotted owls at 1029. At 1032 I got a four note contact call from a male northern spotted owl on the west side of Carneros Creek. Owl was in the same location as last night (Figure 2).

I then examined Carneros Creek. Stream was plus or minus 3 feet wide and 4 inch deep. Bottom is cemented in with 6 to 12 inch rocks. Stream is 85 percent shaded with bay laurel. Ground vegetation is poison oak, snow bush, watercress. Netted one fat head minnow. Water temperature was in the seventies. There is a warm water reservoir several hundred feet above the place I sampled. According to the manager, Mary Pettis, the reservoir is stocked with largemouth bass, sunfish, mosquito fish, fat head minnows, catfish and crayfish. She has seen western pond turtles also.

I noted mallards, geese and moscovy ducks on the pond. Uphill of the pond is a small herd of goats.


At 1122 heard red shouldered hawk vocalizing uphill above patch of oak woodland.

Tried raising the NSO again from 1123 to 1133. No responses. The owls is about 200 feet uphill of the creek in a forest of bay laurel with widely scattered Douglas fir (less than 10% fir).

At 1144 breeze came up from bay. Then walked back uphill toward vehicle.

Ninety feet from Partrick Road I flushed a newly fledged robin that could barely fly. The parents were very agitated. They were in a small patch of bay laurel forest. Finished survey at 1235.

I then drove down to ranch headquarters and talked with Mary Pettis regarding wildlife and aquatic species on the ranch. She showed me the remains of a juvenile red shouldered hawk that she found on the ranch.

Signed   
 Theodore W. Wooster  
 Consulting Biologist

Date 6/4/03

*Theodore W. Wooster*  
*Consulting Biologist and Designated Biologist-Retired*  
*6645 Yount Street, Yountville, CA 94599*  
*Telephone and Fax Number (707) 944-8451*

**TO:** Fisher Property File  
**FROM:** Theodore Wooster, Consulting Biologist  
**SUBJECT:** Field Survey on June 8, 2003 from 1151 to 1307

Started into northwest corner of Lot 4 off Partrick Road at 1151. Weather was clear with slight breeze.

Heard and observed pair of meadow larks next to gate. Then drove to pond near center of Lot 6.

While driving noted vast bands of freash broom. Also, Italian and star thistle, sticky monkey flower in bloom. At the pond heard woodpecker drumming on dead tree, west of me.

Took several photos of the pond. There are several aquatic plants in and adjacent to the pond.

They are: Pondweed - *Potamogeton* spp.  
 Water parsley - *Oenanthe sarmentosa*  
 Plantain - *Plantago hirtella*  
 Water - plantain - *Alisma trivialis*  
 Several rushes  
 Curly dock - *Rumex crispus*  
 Water cress - *Radicula nasturtium - aquaticum*

Walked along edge of pond on the south edge. Heard and/or observed five bullfrogs. Netted one sub-adult and identified it positively as a bullfrog. Noted turkey vulture on top of ridge. Around pond noted violet green swallow, heard scrub jay by dead tree in draw. At least three species of dragonflies over water.

Just up from pond is a 30 foot diameter patch of Himalaya berry with a fig tree in the middle. At the upper end of patch is concreted spring box. Lesser gold finch were associated with the patch. Heard red shouldered hawk vocalizing at 1236 up on ridge. Also, heard Valley quail near both ends of the pond (Figure 1).

On way back to road noted a flock of domestic pigeons by the cattle corral on other side of Partrick Road.

Meadow lark was still vocalizing by the fence at 1307.

Signed *Theodore Wooster*  
 Theodore W. Wooster  
 Consulting Biologist

Date 6/9/03



*Theodore W. Wooster*  
*Consulting Biologist and Designated Biologist-Retired*  
*6645 Yount Street, Yountville, CA 94599*  
*Telephone and Fax Number (707) 944-8451*

**TO:** Fisher Property File  
**FROM:** Theodore Wooster, Consulting Biologist  
**SUBJECT:** Field Survey on June 17, 2003 from 1454 to 1656

Crossed cattle guard at 1454. Parked vehicle on Partrick Road north of largest pond. Weather was clear, calm and warm. Heard pileated woodpecker downhill 75 feet at 1506. It was in a patch of bay laurel where I previously found fledged robin. Went north of the road and looked over the hardwood forest and montane hardwood-conifer forest in Lots 1 and 2. The forest is predominately bay laurel, live oak and scattered Douglas fir.

At 1507 heard and observed a robin in the forest area. Also a mourning dove at 1508 and a gray squirrel at 1510. Stellar jay heard and seen. A number of bay laurel have fallen down providing large woody debris to the forest floor and forage areas for pileated. I played a forest hawk tape off and on from 1505 to 1601. I detected no raptors.

At 1552, I called for the northern spotted owl. It responded at 1555 in its usual location.

I then walked downhill to the large pond in Lot 2. Counted 10 American coots and one pair of red-winged black birds.

Observed 54 adult bullfrogs on approximately one third of the shoreline. Lots of dragonflies working the area. Bullfrogs were interesting to watch as they skip on the surface when there is floating aquatic plants.

At 1632 I returned to the truck. While driving down Partrick Road at 1656 I noted two ravens harassing a red-shouldered hawk to the north opposite the gate to cattle corral.

Signed *Theodore W. Wooster*  
Theodore W. Wooster  
Consulting Biologist

Date 6/18/03

CALIFORNIA DEPARTMENT OF FISH AND GAME  
 SPOTTED OWL FIELD SURVEY

DFG TERRITORY NO. NP 10, 20 + 37

GENERAL LOCATION Napa River; Dry Creek; Redwood Creek drainage

COUNTY Napa

DATE @ START February 25, 2003 - 6 N R- 5 W SECS. 21, 22, 25, 27, 28

OBSERVERS Theodore Worster

START TIME (2400 clock): 1837 END TIME: 2023 TOTAL TIME: 1hr 46 minutes

WIND (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze mod/wind strong wind

TIME 2400 clock	LOCATION (mileage, legal location of rd/trail or landmark, direction of travel)	CALLING METHOD LeapFrog=L Point=F Cruise=C	SPECIES/ SEX/ VOCAL (Y) or OBSY (O)	COMMENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other obser- vations, or change in weather/wind)
1837	Archer Taylor Preserve	P	GHO (V)	single GHO on other side
1847				of canyon at 30 degrees; out 1000 feet. Frogs calling everywhere
1855	at end of County road	P	NR	
1905				
1914	4715 Redwood Rd.	P	NR	
1924	Upper residence on plan area			
1926	Just up from entrance	P	NR	
1936	To property at open gate			
1939	Dip in County road	P	NSO ♂ (V)	4 note contact calls
1943	mile post 1.75			at 240° uphill 500 feet
1949	left station			Not four calls & then silence (NP10) NSO in NW 1/4 & NE 1/4 section 27
1953	at telephone boxes	P	NR	
2003	at 4330 Redwood Rd (Freyaboo)			

Habitat type \_\_\_\_\_

CALIFORNIA DEPARTMENT OF FISH AND GAME  
**SPOTTED OWL FIELD SURVEY**

DFG TERRITORY NO. NP10

GENERAL LOCATION Napa River; Dry Creek; Redwood Creek -  
"Patrick Road" COUNTY Napa

DATE @ START March 3, 2003 T- 6N R- SW SECS. 26 + 27

OBSERVERS Theodore Wooster

START TIME (2400 clock): 1745 END TIME: 1834 TOTAL TIME: \_\_\_\_\_

WATER (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze mod/wind strong wind

TIME	LOCATION	CALLING	SPECIES/	COMMENTS
2400 clock	(mileage, legal location of rd/trail or landmark, direction of travel)	METHOD LeapFrog=LZ Point=F Cruise=C	SEX/ VOCAL (Y) or OBSY (O)	(legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other obser- vations, or change in weather/wind)
<u>1745</u>	<u>walked along</u>	<u>C</u>	<u>NR</u>	<u>Heard wild turkey at</u>
<u>1834</u>	<u>powerline clearing</u>			<u>3500, out 1/2 mile at 1807</u>
	<u>where it drops off</u>			<u>Dusk at 1817</u>
	<u>mt. at elevation 1462</u>			
	<u>on USGS map</u>			<u>Started raining at 1833</u>
	<u>also walked down 500</u>			
	<u>feet of road to mount</u>			
	<u>La Salle school area</u>			

Habitat Type \_\_\_\_\_

CALIFORNIA DEPARTMENT OF FISH AND GAME  
**SPOTTED OWL FIELD SURVEY**

ATTACHMENT 7 = 1 of 1

DFG TERRITORY NO. NP10, 20437

GENERAL LOCATION Napa River; Dry Creek; Redwood Creek Drainage

COUNTY Napa

DATE @ START March 10, 2003 T- 6N R- 5W SECS. 21, 22, 26, 27+28

OBSERVERS Theodore Wooster

START TIME (2400 clock): 1831 END TIME: \_\_\_\_\_ TOTAL TIME: \_\_\_\_\_

WIND (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze mod/wind strong wind

TIME	LOCATION	CALLING METHOD	SPECIES/ SKI/	COMMENTS
clock	(mileage, legal location of rd/trail or landmark, direction of travel)	LeapProg=LY Point=P Cruise=C	VOCAL (V) or OBSV (O)	(legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind)
1831	Mt Veeder Road, 500 ft	P	NR	dusk, used Dutton tape & voice calls.
1841	north of junction with Redwood Road			
1843	Corner of Mt Veeder + Redwood Road	LF	NR	
1853	Here collection			
1858	at dip in road	P	NSO ♂ (V)	Got 4 note contact call at 215°, up hill 1000 ft
1904				
1905			NSO ♀ (V)	Crow backs at 200° same distance up hill; then 4 note contact call.
1907	Left area. NSO's still vocalizing			NSO's in center of NE 1/4 section 27, T6N, R5W. (NP10)
1915	4715 Redwood Road, top of hill at upper residence	P	GHO	Great horned owl out 1/4 mile at 310°
1928				
1931	Bottom of hill at entrance to 4715 Redwood	P	NR	
1941				
1943	Mile Post 6.0	P	NR	Creek noisy. Hearing conditions fair.
1953				
1957	End of County Road	P	NR	
2007				
2010	Subsiders, downhill of Habitat type	P	NR	
2020				

UTM

UTME

CALIFORNIA DEPARTMENT OF FISH AND GAME  
**SPOTTED OWL FIELD SURVEY**

DFG TERRITORY NO. new

GENERAL LOCATION Napa River; Carneros Creek

COUNTY Napa

DATE @ START May 26, 2003 T- 6 W R- 5 W SECS. 34

OBSERVERS Theodore Wooster

START TIME (2400 clock): 2042 END TIME: 2136 TOTAL TIME: 54 minutes

WIND (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze mod/wind strong wind

TIME	LOCATION	CALLING	SPECIES/	COMMENTS
2400	(mileage, legal location	METHOD	SEX/	(legal location of owl(s), compass &
clock	of rd/trail or landmark,	LeapFrog-LF	VOCAL (V)	distance to owl(s) from observer's
	direction of travel)	Point=P	or	location, misc. owl info., other obser-
		Cruise=C	OTHER (O)	vations, or change in weather/wind)
2042	Partrick Rd, at	P	NSO ♂ (V)	Got 1 note contact
2049	gate into Fisher			calls at 2400; out
	Property, Station 3			1/3 mile in NE 1/4 of SW 1/4
				of Section 34
2052	Station 2, above	P	NSO ♂ (V)	same owl at 2300; out
2102	pond			less than 1000 feet
				Bullfrogs in pond all
				croaking
2121	Station 1 - mile	P	NR	Played several owls type
2136	Pat 2.25			only screech heard

Habitat Type \_\_\_\_\_

CALIFORNIA DEPARTMENT OF FISH AND GAME  
**SPOTTED OWL FIELD SURVEY**

DFG TERRITORY NO. New

GENERAL LOCATION Napa River; Carneros Creek & Redwood Creek;  
off Partruch Road. COUNTY Napa

DATE & START June 2, 2003 T- 6N R- SW SECS. 34

OBSERVERS Theodore W. Wooten

START TIME (2400 clock): 2055 END TIME: 2156 TOTAL TIME: 1hr 1 minute

WIND (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze mod/wind strong wind

TIME	LOCATION	CALLING	SPECIES/	COMMENTS
2400 clock	(mileage, legal location of rd/trail or landmark, direction of travel)	METHOD: LeapFrog=LF Point=P Cruise=C	SEX/ VOCAL (V) or OBSV (O)	(legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind)
2055	lot 6 near	P	NR	COMMENTS Warm to hot
2105	Building site near gate at 2.75 mile marker of Partruch Road			
2109	Alternate A	P	NR	
2119	Building site, lot 5			
2131	Station 2 above	P	NSO ♂ (V)	
2132	large pond, lot 2			
2134				Heard Great blue heron vocalizing while flying from pond
2141	Left Station 2 NSO still vocalizing			Chorus of bullfrogs in pond
2146	Station 4 in	P	NR	
2156	heavy forest at mill Post 4.0 Redwood Creek side			
	Station 1 mile post 2.25	P	NR	slight breeze

Habitat Type \_\_\_\_\_

CALIFORNIA DEPARTMENT OF FISH AND GAME  
SPOTTED OWL FIELD SURVEY

DFG TERRITORY NO. New

GENERAL LOCATION Napa River; Carneros Creek  
off Portwood Road

COUNTY Napa

DATE @ START June 3, 2003 T- 6N R- 5W SECS. 34

OBSERVERS Theodore Worete

START TIME (2400 clock): 1028 END TIME: \_\_\_\_\_ TOTAL TIME: \_\_\_\_\_  
WIND (circle one): (clear) cloudy mist/fog light/rain heavy/rain snow WIND (circle one): (calm) breeze mod/wind strong wind

TIME	LOCATION	CALLING	SPECIES/	COMMENTS
2400 clock	(mileage, legal location of rd/trail or landmark, direction of travel)	METHOD LeapFrog=L Point=P Cruise=C	SEX/ VOCAL (Y) or OBSY (O)	(legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other obser- vations, or change in weather/wind)

1028	Walked down to	P	NSO ♂ (Y)	Not 4 note contact calls
1032	within 300 feet of Carneros Creek to follow up on ♂ NSO located on 6/2/03			in northeast facing forest on west side of Carneros Creek
1038	stopped calling only ♂ detected			

Habitat type \_\_\_\_\_

CALIFORNIA DEPARTMENT OF FISH AND GAME  
SPOTTED OWL FIELD SURVEY

DFG TERRITORY NO. new

GENERAL LOCATION Napa River, Cameron Creek

COUNTY Napa

DATE @ START June 17, 2003 T- 6 N R- SW SECS. 34

OBSERVERS Theodore Wooster

START TIME (2400 clock): 1552 END TIME: 1602 TOTAL TIME: ten minutes

WIND (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm  breeze mod/wind strong wind

TIME	LOCATION	CALLING	SPECIES	COMMENTS
2400 clock	(mileage, legal location of rd/trail or landmark, direction of travel)	HEARD Leap/Frog=LY Point=P Cruise=C	SEX/ VOCAL (Y) or OBSY (O)	(legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind)

1552	Station 2, above	P	NS00(N)	Got 4 notes contact called
1555	large pond			at 230° out 400 feet

Habitat Type \_\_\_\_\_





Photo 1 - 06/3/03  
Looking east of  
Patrick Road at  
north end of Lot 4

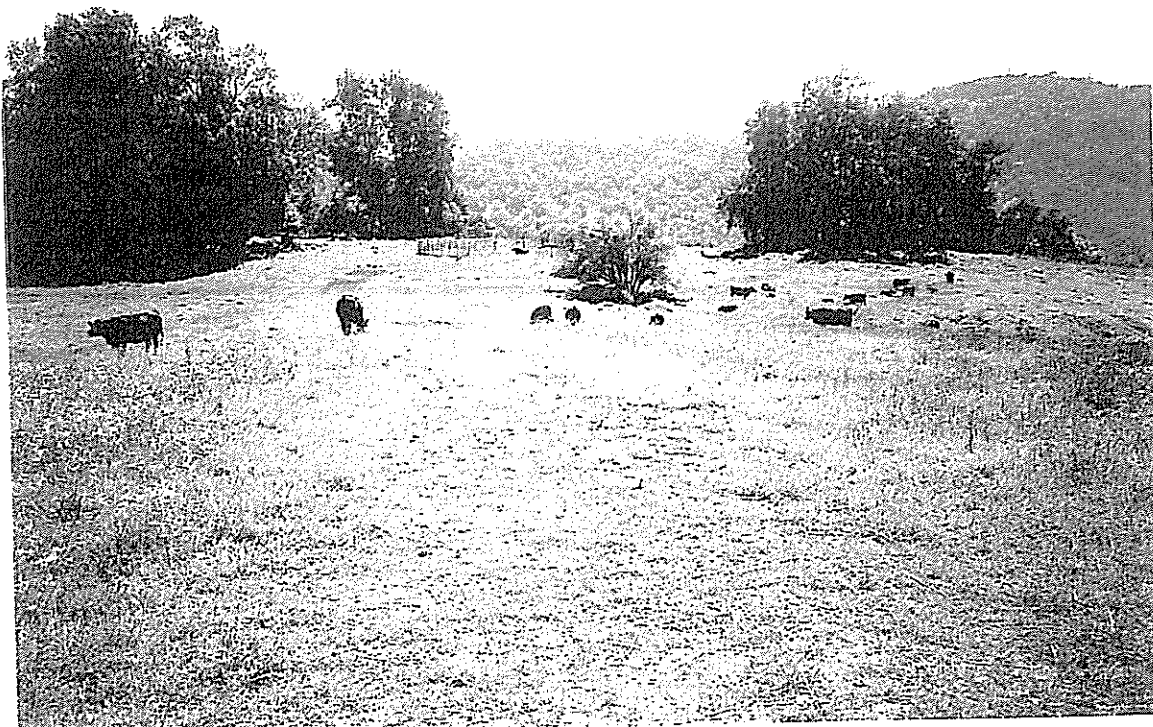


Photo 2 - 06/3/03  
Looking west at  
north end of Lot 4

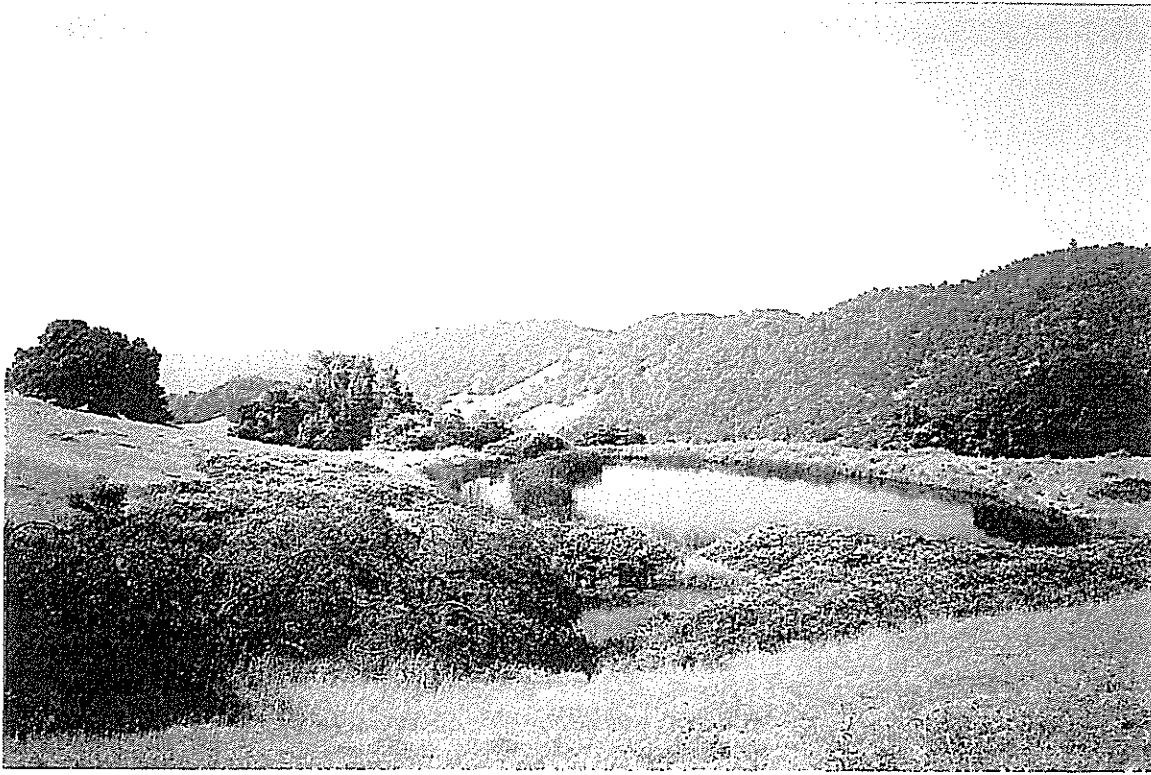


Photo 3 - 06/3/03  
Looking south at  
pond in Parcel 2

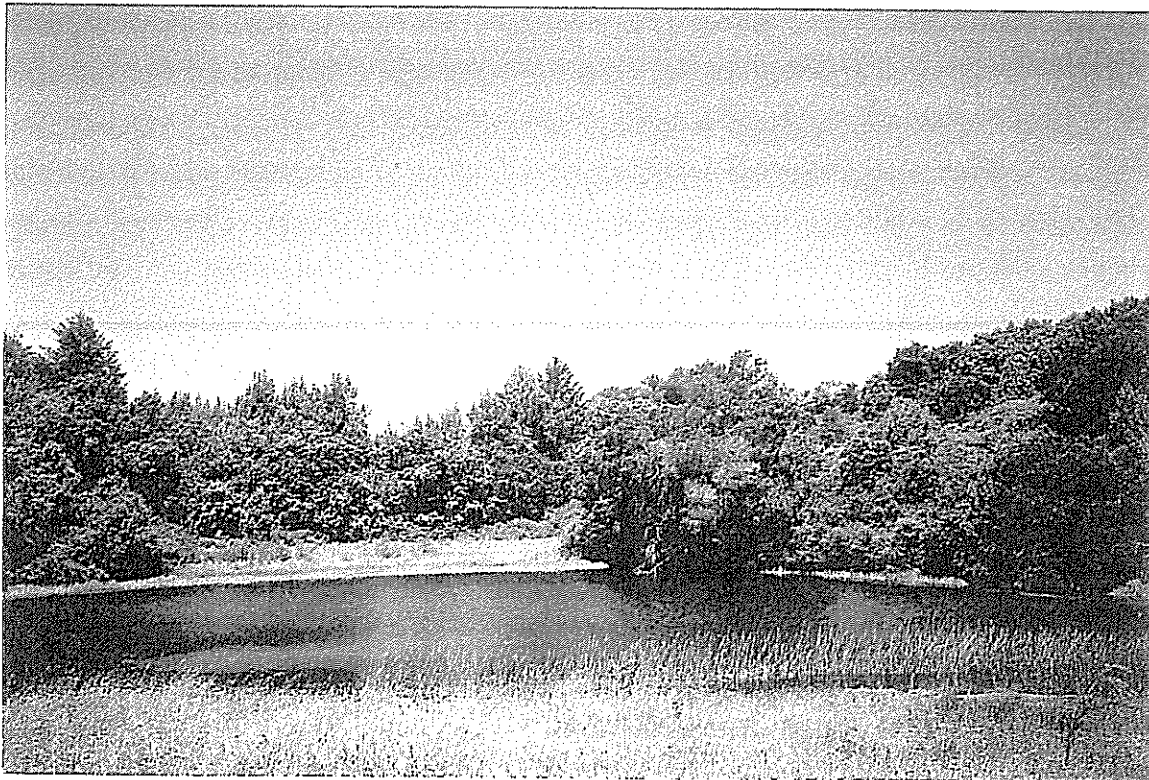


Photo 4 - 06/3/03  
Looking north at  
pond in Lot 6

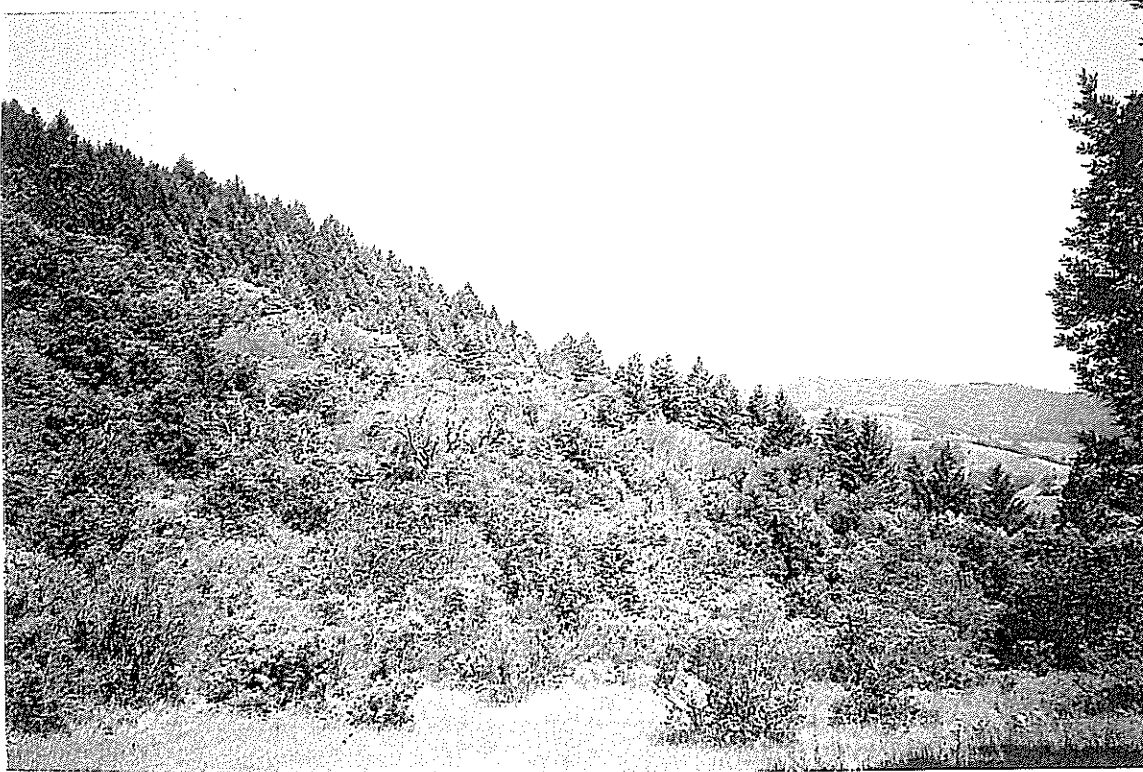


Photo 5 - 06/3/03  
Montane hardwood-  
conifer forest and  
oak woodland in  
north end of Lot 2



Photo 6 - 06/3/03  
Looking west from  
Lot 1. Forested area  
with male northern  
spotted owl, west of  
Carneros Creek





Photo 7 - 06/3/03  
Warm water  
reservoir on  
Carneros Creek  
upstream of  
Lot 1



Photo 8 - 06/3/03  
Carneros Creek  
500 feet below  
warm water  
reservoir



Photo 9 - 05/14/03  
9.5 foot diameter  
California Laurel  
West of Partrick  
Road on Lot 4



Photo 10 - 05/14/03  
42 inch DBH  
California Laurel  
on east side of  
Partrick Road,  
Lot 5

**KJELDSSEN BIOLOGICAL CONSULTING**  
Chris K. Kjeldsen Ph.D., Botany  
Daniel T. Kjeldsen B.S., Natural Resource Management  
923 St. Helena Ave.  
Santa Rosa, CA 95404

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**April 20, 2009**

**To:** Jon M. Webb, PLS 6709  
Albion Surveys, Inc  
1113 Hunt Avenue  
St. Helena, CA 94574

**Re:** Fisher Property  
APN 055-010-024/30/31  
Partrick Road Napa County, CA

**Special-Status Animal Update**

Review of Theodore W. Wooster May 2003 Wildlife Report

**INTRODUCTION**

As requested by Jon M. Webb, Albion Surveys, and the property owner we are providing update of the 2003 Special-Status Animal Survey. The update includes field review, an analysis of the most recent California Department of Fish and Game (DFG) California Natural Diversity Data Base (CNDDB) and analysis of the U.S. Fish and Wildlife special-status species lists.

The property is located west of the city of Napa, with access from the Partrick Road. The project site is within the Sonoma Quadrangle, Napa County. The property elevation ranges from approximately 500 feet to 1500 feet in elevation (Plate I).

The purpose of this update is to:

- Review the DFG, CNDDB, and FWS database for any new listed animal species or species distribution that may have occurred since 2003; and
- Review special-status database's for any new animal species which could have potential for presence on the site.

**PROPOSED PROJECT**

The project is a proposed lot split. The three existing parcels (each over 320 acres) will be split into 6 parcels total, each over 160 acres with 6 designated building envelopes.

## **METHODS**

A field review, for this update, was conducted on April 1, 2009. The proposed building envelopes and access road were reviewed to determine the potential for the presence for special-status animal species based on direct observation or indications that habitat is present which would support special-status species.

Habitat is also a key characteristic for consideration of special-status animal species in a study area. Existing site conditions were used to identify habitat, which could potentially support special-status animal species.

Trees were reviewed to determine whether occupied raptor nests were present within the proximity of the project site (i.e., within a minimum 500 feet of the areas to be disturbed). Surveys consisted of scanning the trees with binoculars searching for nest or bird activity. Our search was conducted from the project area and by walking under existing trees looking for droppings or nest scatter from nests that may be present that were not observable by binoculars.

Potential bat breeding habitat was surveyed for within 200 feet of the proposed project, by looking for roosting habitat rock outcrops, crevasses, suitable buildings and evidence of roosting.

The reservoirs on the sites were scanned with binoculars to look for any aquatic life focusing on pond turtles or frog species.

## **SPECIAL-STATUS SPECIES SCOPING**

Special-status species scoping for the project site considered the following resources (see attachments):

- Department of Fish and Game California Natural Diversity Data Base List of Special-status species animals for the Quadrangle, and
- Federal Endangered and Threatened Species that occur in the U.S.G.S. 7 1/2 Minute Quadrangle.

## **FINDINGS**

The land use (agricultural cattle production) and associated infrastructure has not changed in the time since the previous studies. The plant community changes consist of increased cover of the non-native invasive French broom and a few instances of Sudden Oak Death (SOD).

Tables I and II below present the most recent data on special-status species known to occur near the property as well as a justification for concluding absence on the property.

**Table I.** The tables below present the special-status species known to occur within five miles of the property (DFG CNDDDB 2009 printout).

Scientific Name Common Name	Habitat	Potential for Project Site	Obs. on or near Project Site	Justification for Negative Findings
<i>Actinemys marmorata marmorata</i> Northwestern Pond Turtle	Slow moving water or ponds.	Yes Reservoir	No	Species not observed. Reservoirs contain potential habitat.
<i>Antrozous pallidus</i> Pallid Bat	Roosts in Building and Overhangs	May fly over	No	No lack of habitat.
<i>Cypseloides niger</i> Black swift	Nest in crevices on cliffs near waterfalls.	No	No	No lack of habitat.
<i>Calasellus californicus</i> Isopod	Freshwater Spring or Wells	No	No	Lack of suitable habitat.
<i>Melospiza melodia samuelis</i> San Pablo Song Sparrow	Salt Marshes	No	No	Requisite habitat absent.
<i>Oncorhynchus mykiss irideus</i> Steelhead-central California Coast	Aquatic	No	No	Lack of habitat.
<i>Rana boylei</i> Foothill Yellow-legged Frog	Streams with pools	No	No	Lack of habitat precludes presence.
<i>Syncaris pacifica</i> California Freshwater Shrimp	Creeks and Estuaries below 300 ft.	No	No	Requisite habitat required for presence lacking.
<i>Tasidea taxus</i> American Badger	Grasslands with food source of ground squirrels	Yes	No	Absence of burrows and food sources required for presence. No burrows observed



**Table II.** USFWS 2009 species for the quadrangle.

<b>Scientific Name_Common Name</b>	<b>Habitat</b>	<b>Potential For Project Site</b>	<b>Obs. on or Near Project Site</b>	<b>Justification for Negative Findings</b>
<i>Syncaris pacifica</i> California Freshwater Shrimp	Creeks and Estuaries below 300 ft.	No	No	Requisite habitat required for presence lacking.
<i>Hypomesus transpacificus</i> Delta Smelt	Delta, estuaries	No	No	Requisite habitat required for presence lacking.
<i>Oncorhynchus mykiss irideus</i> Steelhead-central California Coast	Aquatic	No	No	Lack of habitat.
<i>Rana draytonii</i> California Red-legged Frog	Ponds, slow moving pools with vegetation.	No	No	Lack of habitat.
<i>Sternula antillarum</i> (+ <i>Sterna</i> , = <i>albifrons</i> ) Browni-California least tern	Delta, estuaries	No	No	Requisite habitat absent. Not associated with project.
<i>Strix occidentalis caurina</i> F&W Northern Spotted Owl	Old growth, forested deep canyons.	No	No	Requisite habitat absent. Not associated with project.
<i>Reithrodontomys raviventis</i> Salt-marsh Harvest Mouse	Pickleweed Salt Marsh	No	No	Lack of habitat.

Based on our fieldwork and special-status species scoping we conclude that it is unlikely any of the new listed species shown in the table I and II above or known for Napa County would occur on the site based on the site conditions, habitat, historic and ongoing site utilization, hydrology, lack of any records, topography, and plant associates present.

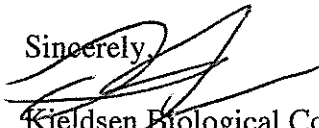
The project is not within any mapped or identified critical habitat that would indicate a need for species-specific surveys. We found no habitat within the project footprint that would dictate a need for species-specific surveys. The project site is not within U.S. Fish and Wildlife Critical Habitat (designated final critical habitat for the California Red-legged Frog May 15, 2006). The California Department of Fish and Game Natural Diversity Data Base does not contain any records of the California Red-legged Frog within five mile of the site. There is no aquatic breeding habitat associated with the proposed project sites.

There are no new Northern Spotted Owl occurrences listed on the CNDDB Owl Data Base closer the project sites. Theodore W. Wooster located a single male Owl in 2003 west of Lot 1. The

proposed house sites are mainly open grassland and do not contain nesting or foraging habitat for the Northern Spotted Owl.

There is no reason to expect any significant impacts on local or regional special-status animal species by the proposed project.

Should you have any questions, please do not hesitate to contact us at: telephone (707) 544-3091, Email [kjeldsen@sonic.net](mailto:kjeldsen@sonic.net), or by fax (707) 575-8030.

Sincerely,  
  
Kjeldsen Biological Consulting

## **Attachments**

**Plate I. Location and Site Map**

**Plate II. DFG CNDDDB Map**

**DFG CNDDDB print out of Special-status animal species known to occur within Five Miles of the center of the property.**

**Federal Endangered and Threatened Species that occur in the U.S.G.S. 7 1/2 Minute Quadrangle.**

## **Names of and Qualifications of Field Investigators**

**Daniel T. Kjeldsen, B. S., Natural Resource Management**, California Polytechnic State University, San Luis Obispo, California. He spent 1994 to 1996 in the Peace Corps managing natural resources in Honduras, Central America. His work for the Peace Corps in Central America focused on watershed inventory, mapping and the development and implementation of a protection plan. He has over ten years of experience in conducting Biological Assessments, DFG Habitat Assessments, COE wetland delineations, wetland rehabilitation, and development of and implementation of mitigation projects and mitigation monitoring. He has received 3.2 continuing education units MCLE 27 hours in Determining Federal Wetlands Jurisdiction from the University of California Berkeley Extension. A full resume is available upon request.

**Chris K. Kjeldsen, Ph.D., Botany**, Oregon State University, Corvallis, Oregon. He has over thirty-five years of professional experience in the study of California flora. He was a member of the Sonoma County Planning Commission and Board of Zoning (1972 to 1976). He has over thirty years of experience in managing and conducting environmental projects involving impact assessment and preparation of compliance documents, Biological Assessments, DFG Habitat Assessments, DFG SB 34 Mitigation projects, COE Mitigation projects and State Parks and Recreation Biological Resource Studies. Experience includes conducting special-status species surveys, jurisdictional wetland delineations, general biological surveys, 404 and 1601-1603 permitting, and consulting on various projects. He has taught Plant Taxonomy at Oregon State University (three years) and numerous botanical science and aquatic botany courses (thirty-five years) at Sonoma State University including sections on wetlands and wetland delineation techniques. He has supervised numerous graduate theses, NSF, DOE and local agency grants and served as a university administrator. A full resume is available upon request. He has a valid DFG collecting permit.

## REFERENCES

- Behler, John L. National Audubon Society Fields Guide to North American Reptiles & Amphibians. May, 1996 Chanticleer Press, Inc., New York.
- California Department of Fish and Game, Revised May 8, 2000. Guidelines for Assessing the Effects of Proposed Projects on Rare, Threatened, and Endangered Plants and Natural Communities.
- California Department of Fish and Game. Natural Diversity Data Base Rare Find 3 March 2009
- Federal Interagency Committee for Wetland Delineation. 1989. Federal Manual for Identifying and Delineating Jurisdictional Wetlands. U. S. Army, Corps of Engineers, U. S. Environmental Protection Agency, U.S. Fish and Wildlife Service, and U. S. D. A. Soil Conservation Service, Washington, D. C. Cooperative technical publication. 76 pp. plus appendices.
- Ingles, Lloyd C. 1985. Mammals of the Pacific States. Stanford Press.
- Stabbings, Robert C., 1966. A Field Guide to Western Reptiles and Amphibians. Houghton Mifflin.
- USFWS Sacramento Fish and Wildlife Office Revised Guidance on Site Assessments and Field Surveys for the California Red-legged Frog 2005.

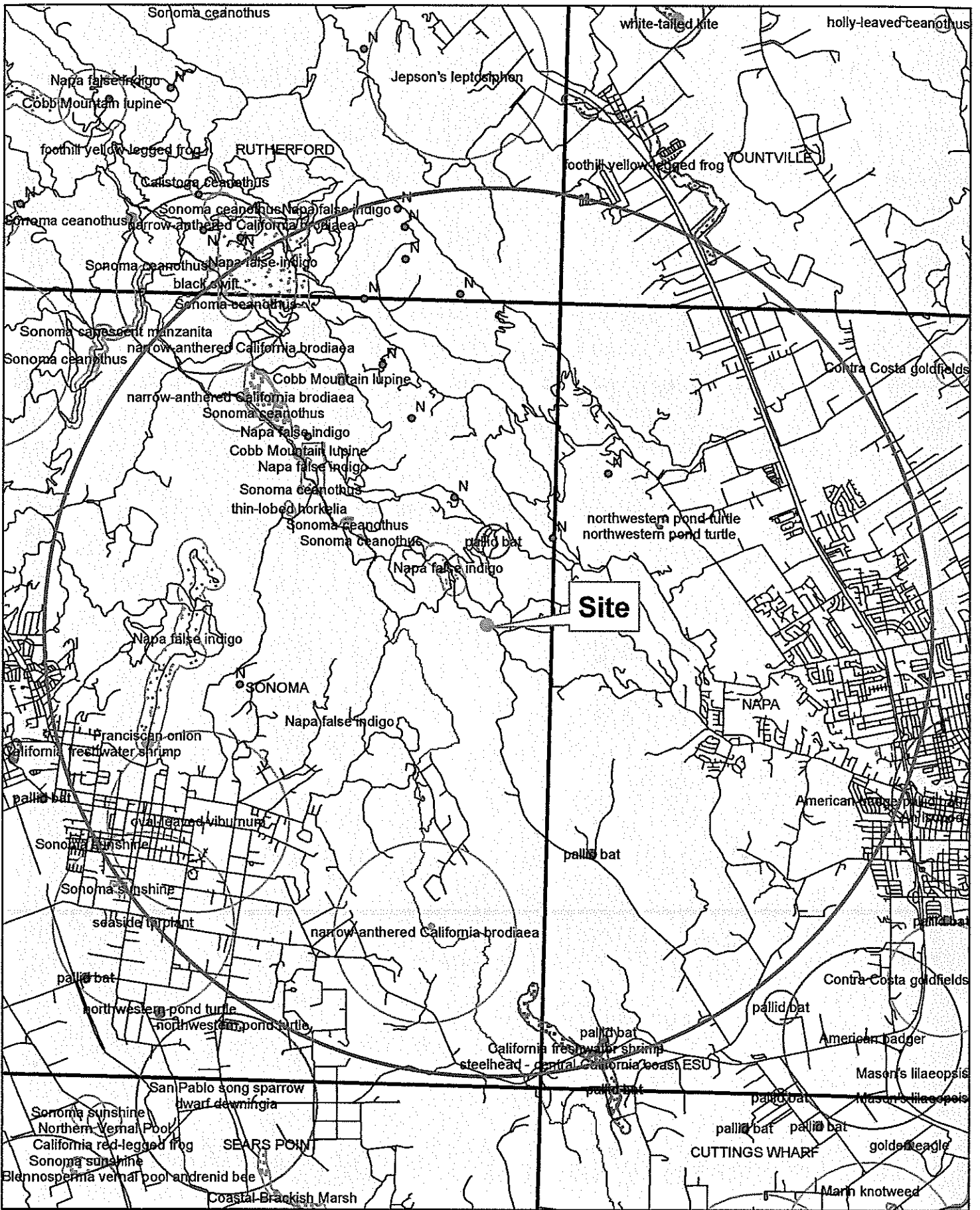
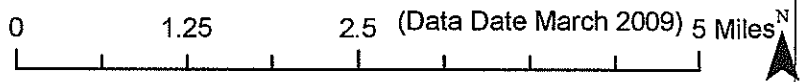


Plate II DFG CNDDDB Search



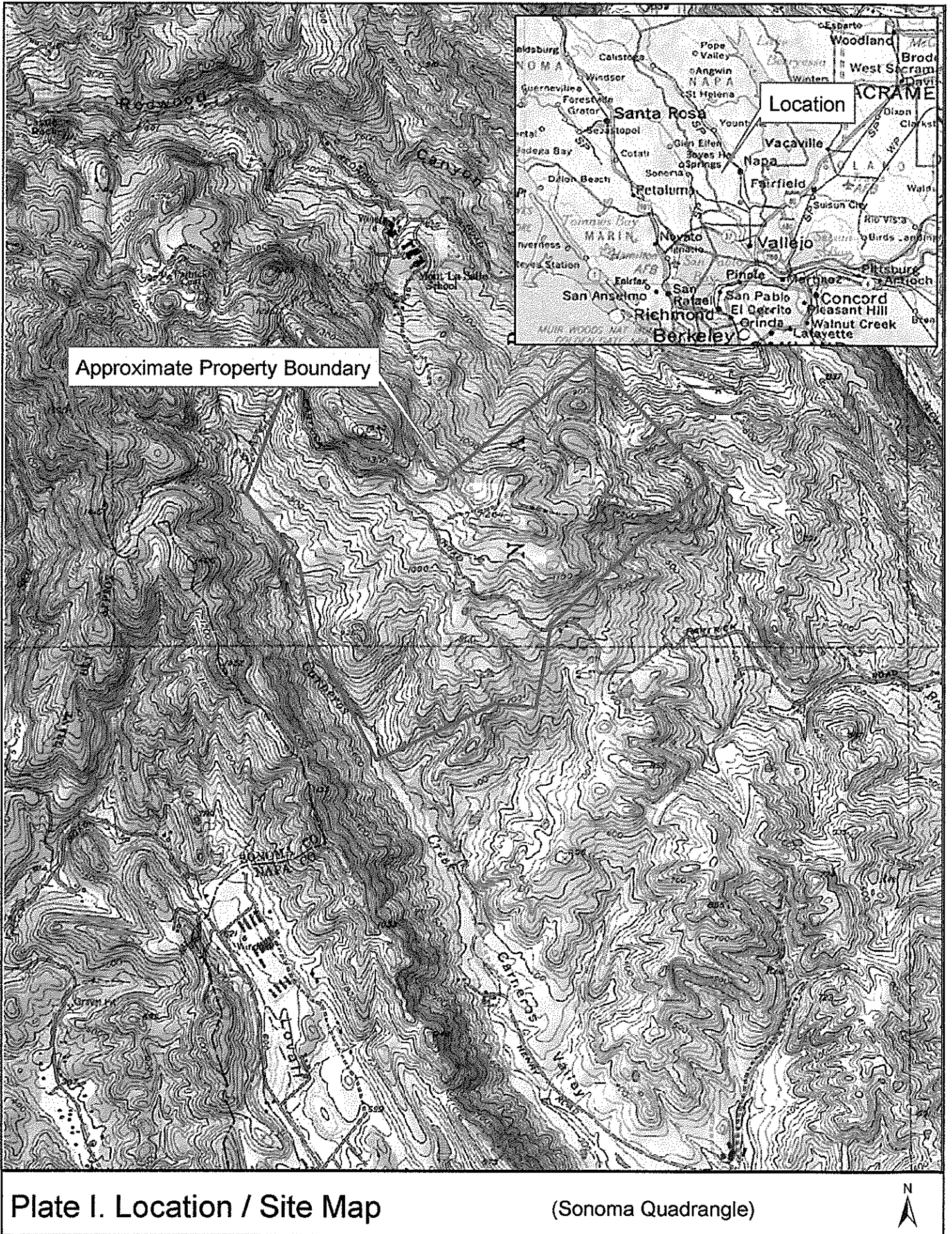


Plate I. Location / Site Map

(Sonoma Quadrangle)



<b><i>Actinemys marmorata marmorata</i></b>		
northwestern pond turtle		Element Code: ARAAD02031
_____ Status _____	NDDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G3G4T3	CDFG Status: SC
State: None	State: S3	
_____ Habitat Associations _____		
General: ASSOCIATED WITH PERMANENT OR NEARLY PERMANENT WATER IN A WIDE VARIETY OF HABITATS.		
Micro: REQUIRES BASKING SITES. NESTS SITES MAY BE FOUND UP TO 0.5 KM FROM WATER.		

Occurrence No. 107	Map Index: 41494	EO Index: 41494	_____ Dates Last Seen _____
Occ Rank: Fair			Element: 1999-05-15
Origin: Natural/Native occurrence			Site: 1999-05-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1999-08-18

Quad Summary: Napa (3812233/500D)  
 County Summary: Napa

Lat/Long: 38.34120° / -122.35380°	Township: 06N
UTM: Zone-10 N4243870 E556471	Range: 05W
Mapping Precision: SPECIFIC	Section: 25 Qtr: XX
Symbol Type: POLYGON	Meridian: M
Area: 2.9 acres	Elevation: 250 ft

**Location:** WSW OF THE INTERSECTION OF DRY CREEK ROAD & ORCHARD AVENUE, NNW OF NAPA.  
**Location Detail:** SITE CONSISTS OF TWO AGRICULTURAL RESERVOIRS USED FOR VINEYARD IRRIGATION AND FROST PROTECTION.  
**Ecological:** HABITAT CONSISTS OF TWO AGRICULTURAL RESERVOIRS SURROUNDED BY ABANDONED VINEYARD AND UPLAND OAK WOODLAND.  
**Threat:**  
**General:** 15+ ADULTS OBSERVED ON 15 MAY 1999. SITE IS GOING TO BE REPLANTED TO VINEYARD, AND ONE OF THE RESERVOIRS WILL BE EXPANDED.  
**Owner/Manager:** PVT

***Actinemys marmorata marmorata***

northwestern pond turtle

Element Code: ARAAD02031

----- Status ----- NDDDB Element Ranks ----- Other Lists -----  
 Federal: None Global: G3G4T3 CDFG Status: SC  
 State: None State: S3

----- Habitat Associations -----  
 General: ASSOCIATED WITH PERMANENT OR NEARLY PERMANENT WATER IN A WIDE VARIETY OF HABITATS.  
 Micro: REQUIRES BASKING SITES. NESTS SITES MAY BE FOUND UP TO 0.5 KM FROM WATER.

Occurrence No. 377 Map Index: 71247 EO Index: 72153 ----- Dates Last Seen -----  
 Occ Rank: Good Element: 2008-02-27  
 Origin: Natural/Native occurrence Site: 2008-02-27  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2008-05-05

Quad Summary: Sonoma (3812234/500C)  
 County Summary: Sonoma

Lat/Long: 38.26020° / -122.45326° Township: 05N  
 UTM: Zone-10 N4234826 E547831 Range: 05W  
 Mapping Precision: SPECIFIC Section: 19 Qtr: SE  
 Symbol Type: POINT Meridian: M  
 Radius: 80 meters Elevation: 20 ft

Location: SMALL AGRICULTURAL POND NEAR SCHELL CREEK, NORTH OF SPLUDE RD, EAST OF BROADWAY RD, SOUTH OF SONOMA.

**Location Detail:**

**Ecological:** HABITAT IS A SMALL CONSTRUCTED POND IN A VINEYARD NEAR SCHELL CREEK. SPARSE WETLAND VEGETATION WITH A FEW WILLOWS.

**Threat:**

**General:** 5 ADULTS OBSERVED DURING VISUAL SURVEY. 3 TURTLES WERE BASKING ON WILLOW BRANCHES, 2 TURTLES WERE MATING IN SHALLOW WATER. WESTERN TOADS ALSO BREEDING AT THIS SITE.

**Owner/Manager:** PVT



<b><i>Antrozous pallidus</i></b>		Element Code: AMACC10010	
pallid bat			
----- Status -----		NDDDB Element Ranks -----	
Federal: None		Global: G5	
State: None		State: S3	
-----		Other Lists -----	
----- Habitat Associations -----		CDFG Status: SC	
<b>General:</b> DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS & FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.			
<b>Micro:</b> ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.			

Occurrence No. 221                      Map Index: 66557                      EO Index: 66687                      --- Dates Last Seen ---  
 Occ Rank: Unknown                      Element: 1948-09-07  
 Origin: Natural/Native occurrence                      Site: 1948-09-07  
 Presence: Presumed Extant  
 Trend: Unknown                      Record Last Updated: 2006-10-03

Quad Summary: Napa (3812233/500D), Cuttings Wharf (3812223/483A)  
 County Summary: Napa

Lat/Long: 38.25150° / -122.36176°	Township: 05N
UTM: Zone-10 N4233912 E555843	Range: 05W
Mapping Precision:NON-SPECIFIC	Section: 25      Qtr: XX
Symbol Type: POLYGON	Meridian: M
Area:	Elevation: 110 ft

Location: HUICHICA CREEK.  
 Location Detail: MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY OF 3979.9077M.  
 Ecological:  
 Threat:  
 General: 1 FEMALE COLLECTED BY WILLIAM M. LONGHURST ON 23 SEP 1939, MVZ #88564. 19 FEMALES, 11 MALES & 1 UNKNOWN COLLECTED BY LONGHURST & JOYE H. SEVERAID ON 7 SEP 1948, MVZ #109493-109523.  
 Owner/Manager: UNKNOWN

<b><i>Antrozous pallidus</i></b>		
pallid bat		Element Code: AMACC10010
_____ Status _____	NDDB Element Ranks _____	Other Lists _____
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S3	
_____ Habitat Associations _____		
General: DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS & FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.		
Micro: ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.		

Occurrence No. 99	Map Index: 61248	EO Index: 61284	— Dates Last Seen —
Occ Rank: Good			Element: 2004-06-03
Origin: Natural/Native occurrence			Site: 2004-06-03
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-05-06

Quad Summary: Napa (3812233/500D)

County Summary: Napa

Lat/Long: 38.28738° / -122.36680°	Township: 05N
UTM: Zone-10 N4237891 E555375	Range: 05W
Mapping Precision: SPECIFIC	Section: 12 Qtr: SW
Symbol Type: POINT	Meridian: M
Radius: 80 meters	Elevation: 300 ft

Location: CARNEROS VALLEY ON EAST SIDE OF HENRY ROAD. ABOUT 1.5 MILES NORTHWEST OF INTERSECTION BETWEEN HENRY ROAD AND DEALY LANE.

Location Detail:

Ecological: HABITAT IS AN OAK-BAY WOODLAND AND A PREVIOUSLY GRAZED NON-NATIVE GRASSLAND.

Threat: SURROUNDING LAND USED FOR FARMING OPERATIONS & GRAZING ALSO THREATENED BY LOSS OF FARM BUILDINGS PROVIDING ROOST HABITAT

General: BAT DETECTED BIOACCOUSTICALLY AND SPOTLIGHTED FOR VERIFICATION.

Owner/Manager: PVT

California Department of Fish and Game  
 Natural Diversity Database  
 Full Report for Selected Elements Species Known Within Five Miles

<b><i>Antrozous pallidus</i></b>		
pallid bat		Element Code: AMACC10010
_____ Status _____	NDDDB Element Ranks _____	Other Lists _____
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S3	
_____ Habitat Associations _____		
General: DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS & FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.		
Micro: ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.		

Occurrence No. 222                      Map Index: 66558                      EO Index: 66688                      — Dates Last Seen —  
 Occ Rank: Unknown                      Element: 1935-08-27  
 Origin: Natural/Native occurrence                      Site: 1935-08-27  
 Presence: Presumed Extant  
 Trend: Unknown                      Record Last Updated: 2006-10-03

Quad Summary: Sonoma (3812234/500C)  
 County Summary: Napa

Lat/Long: 38.33669° / -122.38854°	Township: 06N
UTM: Zone-10 N4243349 E553437	Range: 05W
Mapping Precision: NON-SPECIFIC	Section: 26    Qtr: SW
Symbol Type: POINT	Meridian: M
Radius: 1/5 mile	Elevation: 710 ft

Location: MONT LA SALLE HIGH SCHOOL  
 Location Detail: MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY OF 180.24653M.  
 Ecological:  
 Threat:  
 General: 2 MALE AND 2 FEMALE SPECIMENS COLLECTED ON 27 AUG 1935, MVZ #67719-67722.  
 Owner/Manager: UNKNOWN

<b><i>Antrozous pallidus</i></b>		Element Code: AMACC10010	
pallid bat			
_____ Status _____		NDDDB Element Ranks _____	
Federal: None		Global: G5	
State: None		State: S3	
_____		Other Lists _____	
		CDFG Status: SC	
_____ Habitat Associations _____			
General: DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS & FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.			
Micro: ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.			

Occurrence No. 223                      Map Index: 46525                      EO Index: 66689                      \_\_\_\_\_ Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown                      Element: 1974-05-14  
 Origin: Natural/Native occurrence                      Site: 1974-05-14  
 Presence: Presumed Extant  
 Trend: Unknown                      Record Last Updated: 2006-10-03

Quad Summary: Napa (3812233/500D)  
 County Summary: Napa

Lat/Long: 38.29747° / -122.28784°	Township: 05N
UTM: Zone-10 N4239060 E562272	Range: 04W
Mapping Precision: NON-SPECIFIC	Section: 10      Qtr: XX
Symbol Type: POINT	Meridian: M
Radius: 1 mile	Elevation: 100 ft

Location: NAPA CITY.  
 Location Detail: MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY OF 6115.5072M.  
 Ecological:  
 Threat:  
 General: 4 UNKNOWN SPECIMENS COLLECTED BY ROBERT E. JONES ON 14 MAY 1974, MVZ #16104-16107.  
 Owner/Manager: PVT, UNKNOWN

<b><i>Antrozous pallidus</i></b>		
pallid bat		Element Code: AMACC10010
_____ Status _____	NDDDB Element Ranks _____	Other Lists _____
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S3	
_____ Habitat Associations _____		
<b>General:</b> DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS & FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.		
<b>Micro:</b> ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.		

Occurrence No. 330	Map Index: 68474	EO Index: 68753	— Dates Last Seen —
Occ Rank: Unknown			Element: 1998-10-16
Origin: Natural/Native occurrence			Site: 1998-10-16
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2007-03-14

Quad Summary: Napa (3812233/500D)

County Summary: Napa

Lat/Long: 38.25836° / -122.36249°	Township: 05N
UTM: Zone-10 N4234674 E555774	Range: 05W
Mapping Precision:NON-SPECIFIC	Section: 24 Qtr:XX
Symbol Type: POINT	Meridian: M
Radius: 1/10 mile	Elevation: 140 ft

Location: ABOUT 4.7 AIR MI SW OF NAPA, 0.8 AIR MI WNW OF INTERSECTION OF DUHIG RD AND HWY 12, JUST N OF HWY 12.

Location Detail: MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE. LOCATION DESCRIPTION IS GIVEN AS "NAPA COUNTY WINERY."

**Ecological:**

**Threat:**

**General:** 3 MALES CAPTURED AND RELEASED ON 16 OCT 1998.

**Owner/Manager:** UNKNOWN

***Calasellus californicus***

An isopod

Element Code: ICMAL34010

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
Federal: None Global: G2G3 CDFG Status:  
State: None State: S2S3

\_\_\_\_\_ Habitat Associations \_\_\_\_\_  
General: KNOWN FROM LAKE, NAPA, AND SANTA CLARA COUNTIES.  
Micro:

Occurrence No. 3 Map Index: 46525 EO Index: 64218 \_\_\_\_\_ Dates Last Seen \_\_\_\_\_  
Occ Rank: Unknown Element: 1969-03-XX  
Origin: Natural/Native occurrence Site: 1969-03-XX  
Presence: Presumed Extant  
Trend: Unknown Record Last Updated: 2006-03-03

Quad Summary: Napa (3812233/500D)

County Summary: Napa

Lat/Long: 38.29747° / -122.28784° Township: 05N  
UTM: Zone-10 N4239060 E562272 Range: 04W  
Mapping Precision: NON-SPECIFIC Section: 10 Qtr: XX  
Symbol Type: POINT Meridian: M  
Radius: 1 mile Elevation: 100 ft

Location: NAPA.

Location Detail:

Ecological: FROM MOUTH OF SPRING UNDER HOUSE.

Threat:

General: 3 MALES COLLECTED BY S. GRAY, DEPOSITED IN USNM, CATALOG # 135742.

Owner/Manager: PVT, UNKNOWN

<b><i>Cypseloides niger</i></b>		
black swift		Element Code: ABNUA01010
_____ Status _____	NDDDB Element Ranks _____	Other Lists _____
Federal: None	Global: G4	CDFG Status: SC
State: None	State: S2	
_____ Habitat Associations _____		
General: COASTAL BELT OF SANTA CRUZ & MONTEREY CO; CENTRAL & SOUTHERN SIERRA NEVADA; SAN BERNARDINO & SAN JACINTO MOUNTAINS.		
Micro: BREEDS IN SMALL COLONIES ON CLIFFS BEHIND OR ADJACENT TO WATERFALLS IN DEEP CANYONS AND SEA-BLUFFS ABOVE THE SURF; FORAG		

Occurrence No. 27                      Map Index: 08860                      EO Index: 25422                      — Dates Last Seen —  
 Occ Rank: Unknown                      Element: 1959-06-04  
 Origin: Natural/Native occurrence                      Site: 1959-06-04  
 Presence: Presumed Extant  
 Trend: Unknown                      Record Last Updated: 1997-03-06

Quad Summary: Sonoma (3812234/500C), Rutherford (3812244/500B)  
 County Summary: Napa, Sonoma

Lat/Long: 38.37657° / -122.44804°	Township: 06N
UTM: Zone-10 N4247742 E548212	Range: 05W
Mapping Precision:NON-SPECIFIC	Section: 07      Qtr:XX
Symbol Type: POINT	Meridian: M
Radius: 1 mile	Elevation: 2,500 ft

Location: MOUNT VEEDER, ON NAPA/SONOMA COUNTY LINE, 6 MILES NORTH OF SONOMA.  
 Location Detail:  
 Ecological: RARE, LOCAL SUMMER RESIDENT OF MOUNTAIN FOOTHILL CANYONS WHICH ARRIVES IN MID-MAY FOR NESTING. NESTS ON CLIFFS BEHIND OR ADJACENT TO WATERFALLS. LAYS A SINGLE EGG PER SEASON.  
 Threat:  
 General: ONE OBSERVED DURING NESTING SEASON; TAKEN FROM AMERICAN BIRDS 13(5):452.  
 Owner/Manager: UNKNOWN

<b>Melospiza melodia samuelis</b>		
San Pablo song sparrow		Element Code: ABPBXA301W
_____ Status _____	NDDDB Element Ranks _____	Other Lists _____
Federal: None	Global: G5T2?	CDFG Status: SC
State: None	State: S2?	
_____ Habitat Associations _____		
General: RESIDENT OF SALT MARSHES ALONG THE NORTH SIDE OF SAN FRANCISCO AND SAN PABLO BAYS.		
Micro: INHABITS TIDAL SLOUGHS IN THE SALICORNIA MARSHES; NESTS IN GRINDELIA BORDERING SLOUGH CHANNELS.		

Occurrence No. 45	Map Index: 43384	EO Index: 61447	— Dates Last Seen —
Occ Rank: Unknown			Element: 1901-06-01
Origin: Natural/Native occurrence			Site: 1901-06-01
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-05-25

Quad Summary: Sears Point (3812224/483B), Sonoma (3812234/500C)

County Summary: Sonoma

Lat/Long: 38.24606° / -122.43930°	Township: 05N
UTM: Zone-10 N4233265 E549063	Range: 05W
Mapping Precision: NON-SPECIFIC	Section: 29 Qtr: XX
Symbol Type: POINT	Meridian: M
Radius: 1 mile	Elevation: 10 ft

Location: SCHELLVILLE.

Location Detail: CAS LOCATION GIVEN AS "SHELLVILLE".

Ecological:

Threat:

General: 18 COLLECTED (CAS# 81901-81908, 81940-81949) ON 1 JUN 1901 BY J. GRINNELL.

Owner/Manager: UNKNOWN



<b><i>Oncorhynchus mykiss irideus</i></b>		
steelhead - central California coast ESU		Element Code: AFCHA0209G
_____ Status _____	NDDB Element Ranks _____	Other Lists _____
Federal: Threatened	Global: G5T2Q	CDFG Status:
State: None	State: S2	
_____ Habitat Associations _____		
General: FROM RUSSIAN RIVER, SOUTH TO SOQUEL CR & TO, BUT NOT INCLUDING, PAJARO RIVER. ALSO SAN FRANCISCO & SAN PABLO BAY BASINS.		
Micro:		

Occurrence No. 7	Map Index: 52261	EO Index: 52261	_____ Dates Last Seen _____
Occ Rank: Fair			Element: 2003-07-15
Origin: Natural/Native occurrence			Site: 2003-07-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-08-27

Quad Summary: Napa (3812233/500D)

County Summary: Napa

Lat/Long: 38.25575° / -122.36710°	Township: 05N
UTM: Zone-10 N4234381 E555373	Range: 05W
Mapping Precision: SPECIFIC	Section: 25 Qtr: XX
Symbol Type: POLYGON	Meridian: M
Area: 10.1 acres	Elevation: 600 ft

Location: HUICHICA CREEK, AT THE HIGHWAY 121 CROSSING, 4 MILES SW OF NAPA

Location Detail: JUVENILE STEELHEAD WERE FOUND IN THE MAIN BRANCH OF HUICHICA CREEK, BOTH UPSTREAM AND DOWNSTREAM OF HIGHWAY 121.

Ecological: HABITAT CONSISTS OF POOLED AREAS OF HUICHICA CREEK; FISH PASSAGE IS RESTRICTED DUE TO LOW FLOWS DURING SUMMER MONTHS AND THE DESIGN OF THE CULVERT STRUCTURE.

Threat: THREATENED BY FUTURE DEVELOPMENT AND POSSIBLE ROADWAY WIDENING.

General: 5 JUVENILE STEELHEAD OBSERVED ON 15 JUL 2003.

Owner/Manager: CALTRANS

California Department of Fish and Game  
 Natural Diversity Database  
 Full Report for Selected Elements Species Known Within Five Miles

<b><i>Rana boylei</i></b>		foothill yellow-legged frog		Element Code: AAABH01050	
Status		NDDDB Element Ranks		Other Lists	
Federal: None		Global: G3		CDFG Status: SC	
State: None		State: S2S3			
Habitat Associations					
General: PARTLY-SHADED, SHALLOW STREAMS & RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.					
Micro: NEED AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEED AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.					

Occurrence No. 119	Map Index: 32348	EO Index: 2572	Dates Last Seen
Occ Rank: Unknown			Element: 1956-04-XX
Origin: Natural/Native occurrence			Site: 1956-04-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-07-25

Quad Summary: Rutherford (3812244/500B), Yountville (3812243/500A)

County Summary: Napa

Lat/Long: 38.39524° / -122.35190°	Township: 06N
UTM: Zone-10 N4249868 E556595	Range: 05W
Mapping Precision: NON-SPECIFIC	Section: 6 Qtr: XX
Symbol Type: POLYGON	Meridian: M
Area:	Elevation: 80 ft

Location: DRY CREEK TRIBUTARY TO NAPA RIVER IN YOUNTVILLE.

Location Detail:

Ecological: RIVER

Threat:

General: SPARSE NUMBERS OF FROGS OBSERVED.

Owner/Manager: UNKNOWN

California Department of Fish and Game  
 Natural Diversity Database  
 Full Report for Selected Elements Species Known Within Five Miles

<b><i>Rana boylei</i></b>		
foothill yellow-legged frog		Element Code: AAABH01050
_____ Status _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G3	CDFG Status: SC
State: None	State: S2S3	
_____ Habitat Associations _____		
General: PARTLY-SHADED, SHALLOW STREAMS & RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.		
Micro: NEED AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEED AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.		

\* SENSITIVE \*

Occurrence No. 415	Map Index: 59671	EO Index: 59707	— Dates Last Seen —
Occ Rank: Fair			Element: 2003-09-19
Origin: Natural/Native occurrence			Site: 2003-09-19
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-01-27

Quad Summary: Rutherford (3812244/500B)

County Summary: Napa

\* SENSITIVE \*

Lat/Long:	Township:	
UTM:	Range:	
Mapping Precision:	Section:	Qtr:
Symbol Type:	Meridian:	
Radius:	Elevation:	

Location: \*SENSITIVE\* Location information suppressed.

Location Detail: Please contact the California Natural Diversity Database, California Department of Fish and Game, for more information:  
 (916) 324-3812.

Ecological: HABITAT CONSISTS OF A PERENNIAL SEEP, WHICH FLOWS INTO A SMALL TRIBUTARY TO DRY CREEK; SURROUNDING HABITAT IS CHAPARRAL, WITH PATCHES OF MIXED EVERGREEN.

Threat:

General:

Owner/Manager:

<b>Syncaris pacifica</b>		Element Code: ICMAL27010	
California freshwater shrimp			
<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>	
Federal: Endangered	Global: G1	CDFG Status:	
State: Endangered	State: S1		
<b>Habitat Associations</b>			
<b>General:</b> ENDEMIC TO MARIN, NAPA, & SONOMA COS. FOUND IN LOW ELEV, LOW GRADIENT STREAMS WHERE RIPARIAN COVER IS MODERATE TO HEAVY.			
<b>Micro:</b> SHALLOW POOLS AWAY FROM MAIN STREAMFLOW. WINTER: UNDERCUT BANKS W/EXPOSED ROOTS. SUMMER: LEAFY BRANCHES TOUCHING WATER.			

Occurrence No. 5	Map Index: 09016	EO Index: 13326	— Dates Last Seen —
Occ Rank: Excellent			Element: 1990-10-XX
Origin: Natural/Native occurrence			Site: 1990-10-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-01-04

**Quad Summary:** Napa (3812233/500D), Cuttings Wharf (3812223/483A), Sonoma (3812234/500C)

**County Summary:** Napa

<b>Lat/Long:</b> 38.25588° / -122.36772°	<b>Township:</b> 05N
<b>UTM:</b> Zone-10 N4234395 E555319	<b>Range:</b> 05W
<b>Mapping Precision:</b> SPECIFIC	<b>Section:</b> 25 <b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	<b>Meridian:</b> M
<b>Area:</b> 147.6 acres	<b>Elevation:</b> 120 ft

**Location:** PORTION OF HUICHICA CREEK, TRIBUTARY TO NAPA RIVER.

**Location Detail:** SHRIMP ARE FOUND IN THE SPRING-FED MID-REACHES OF THE CREEK. POPULATION IS RESTRICTED BY BARRIERS TO UPSTREAM MOVEMENT.

**Ecological:** NARROW RIPARIAN HABITAT CONSISTING OF A SUNKEN, STEEP SIDED STREAM CHANNEL SURROUNDED BY VINEYARDS. POOLS SHADED BY ALDER, BAY.

**Threat:** GRAZING, WATER DIVERSION, VINEYARD CONVERSION, POOL SEDIMENTATION, POLLUTION, NON NATVE PREDATORS, DEVELOPMENT

**General:** IN 1988/89 SURVEY, 87 NETTED. IN 1990 123 NETTED 0.8 KM UPSTREAM FROM HWY 12/121, 280 NETTED 2 KM DOWNSTREAM FROM HWY 12/121.

**Owner/Manager:** PVT

California Department of Fish and Game  
 Natural Diversity Database  
 Full Report for Selected Elements Species Known Within Five Miles

<b><i>Taxidea taxus</i></b>		
American badger		Element Code: AMAJF04010
_____ Status _____	_____ NDDB Element Ranks _____	_____ Other Lists _____
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S4	
_____ Habitat Associations _____		
<b>General:</b> MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.		
<b>Micro:</b> NEED SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREY ON BURROWING RODENTS. DIG BURROWS.		

Occurrence No. 301	Map Index: 46525	EO Index: 57536	— Dates Last Seen —
Occ Rank: Unknown			Element: XXXX-XX-XX
Origin: Natural/Native occurrence			Site: XXXX-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-11-01

Quad Summary: Napa (3812233/500D)  
 County Summary: Napa

Lat/Long: 38.29747° / -122.28784°	Township: 05N
UTM: Zone-10 N4239060 E562272	Range: 04W
Mapping Precision: NON-SPECIFIC	Section: 10 Qtr: XX
Symbol Type: POINT	Meridian: M
Radius: 1 mile	Elevation: 100 ft

Location: NAPA.  
 Location Detail:  
 Ecological:  
 Threat:  
**General:** INFORMATION TAKEN FROM: GRINNELL, J., J. S. DIXON & J. M. LINSDALE. 1937. FUR-BEARING MAMMALS OF CALIFORNIA. THEIR NATURAL HISTORY, SYSTEMATIC STATUS, AND RELATIONS TO MAN. UNIV. CALIF. PRESS, BERKELEY 1:1-375, 2:376-777.  
 Owner/Manager: PVT, UNKNOWN

**U.S. Fish & Wildlife Service**  
**Sacramento Fish & Wildlife Office**  
Federal Endangered and Threatened Species that Occur in  
or may be Affected by Projects in the  
**SONOMA (500C)**  
U.S.G.S. 7 1/2 Minute Quad  
Database last updated: January 29, 2009  
Report Date: April 6, 2009  
Listed Species

**Invertebrates**

Syncaris pacifica-California freshwater shrimp (E)

**Fish**

Hypomesus transpacificus-delta smelt (T)

Oncorhynchus mykiss-Central California Coastal steelhead (T) (NMFS)

Central Valley steelhead (T) (NMFS)

Critical habitat, Central California coastal steelhead (X) (NMFS)

Oncorhynchus tshawytscha-Central Valley spring-run chinook salmon (T) (NMFS)

winter-run chinook salmon, Sacramento River (E) (NMFS)

**Amphibians**

Rana aurora draytonii-California red-legged frog (T)

**Birds**

Sternula antillarum (=Sterna, =albifrons) browni-California least tern (E)

Strix occidentalis caurina-northern spotted owl (T)

**Mammals**

Reithrodontomys raviventris-salt marsh harvest mouse (E)

**Plants**

Blennosperma bakeri-Baker's stickyseed [=Sonoma Sunshine] (E)

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**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