

From: Whitney_Kate-Contractor@Wildlife
To: Battistone_Carie@Wildlife; Clipperton_Neil@Wildlife
Subject: Sonoma SPOW (1)
Date: Tuesday, April 29, 2014 9:13:16 AM
Attachments: [NSO DATA 1976-2013 from JMB_Part1.pdf](#)

Good morning,

I received a large report from Jim Berry regarding his spotted owl surveys in Sonoma County from 1976-2013. He includes some commentary so I figured I would pass it along for your review. Due to file size, I split the report in half. The first half has most of his commentary but there are a few notes and letters sprinkled throughout the second half. He believes that the state's database has been perpetually outdated so he and I are working together to make the appropriate updates. He also had this to say after I asked if I could forward his report to you:

The most important comment I would pass on to those working on the status review is that many more follow-up surveys need to be made in Sonoma County to determine current status of NSO's discovered in the last 24 years. My current survey work presses me hard already, so it will take time to find and evaluate past Activity Centers. The Barred Owl has had a dramatic effect on NSO Activity Centers. However, I am finding some atypical situations with Barred Owls. Two of my Barred Owls on Family property are in non NSO areas even though the habitat seems fine for NSO's. One new situation (also on family property) is that one NSO pair has held its own against a new Barred Owl presence. The male and female have continued to call and defend their territory. The NSO's I am aware of are maintaining their territories. In Sonoma County, Habitat has remained steady in Sonoma County and is gradually improving.
Jim

I'm currently working on pulling all the data out of the report. It's slow going.

Kate

Kate Whitney
Spotted Owl Database Manager
(916) 445-5006
Kate.Whitney@wildlife.ca.gov

Jim Berry's Northern Spotted Owl Report for 1976 to 2013

24 December 2013 MOST RECENT EDITING

This 500+ page file contains the following:

- 1) NSO Summary and commentary for 1976 to 2013
- 2) NSO Contacts and DFG and USFW oversight from 1990 to 2013. Technical Assistance Reports from Ted Wooster of Dept. of Fish and Game (now Wildlife) and Ken Hoffman of U.S. Fish and Wildlife are included chronologically within THPs.
- 3) A special (decimal degree) table for NSO contacts (all Sonoma County) during the period 1976 to 2013 is enclosed below. Some NSO territories will be revisited by JMB in future years to determine more current status.
- 4) NSO HIGHLIGHTS from 1976 to 2013--Special documented NSO experiences beginning, noted chronologically. Included in Jim Berry's Sonoma Birds of Prey album are 60 photos from various NSO AC's. A few samples are included in NSO Highlights.
- 5) A summary of THP's by RPF Loren and Designee Jim Berry (1974-2012) in which NSO status is noted.
- 6) 24 seasons of NSO calls which are usually 3 per page and by year. NSO-Barred call log data includes: owner, THP-NTMP#, NSO area # by county, observer, Call #, dates, times, habitat, weather, NSO contacts, other wildlife observations. First formal NSO calling and Stafford-Wooster consultation took place in 1989-1990 on the Gardner THP (Jonive Road), Rakowitz THP (Old Monte Rio Road) and the Bei THP just west of Cazadero.
- 7) Maps: vegetative habitat acreage, aerial, THP, stations, NSO locations by Maptech and contact locations in Decimal degrees.
- 8) NDDDB Tables: vegetation (forest, [nesting, roosting, forage], grassland [forage at edges], water, brush, urban. These are included in the THP related data.
- 9) The EPIC NSO Petition (4 Sep 2012) to California Fish and wildlife Commission at the end of report. In December, 2013, the Fish and Wildlife Commission voted to make NSO a candidate species for Threatened or Endangered status in California.

Summary and Commentary

Are NSO populations really crashing? For those that say NSO's are disappearing, what information have they provided? If information has been provided, has this data been peer reviewed by objective scientists? Has this information been field reviewed by objective experts? It certainly does not match what is so far being heard from professionals in the field in Sonoma County. The EPIC listing proposal claims habitat change as an important reason for this petition and that private lands are not doing their fair share to recover the NSO. Very low harvest levels on California's national forests have supposedly not stabilized NSO populations and now EPIC wishes to tie up managed forest land which has some of the best NSO habitat. California Forest Landowners have already been "rewarded" for their good habitat with increased regulations which makes management very difficult. The only noticeable NSO habitat change in the wine country counties is clearing of forest land for vineyard. The actual vineyard acreage change in Sonoma County forest land is small and is mostly small ridge top vineyards which were grass or brush or orchard and not mixed or coniferous forest. Forest harvest activity is at the lowest since the Great Depression. Sonoma County is harvesting approximately 1/20 of growth at present.

ALL SURVEYED OWLS IN THIS REPORT BY JIM BERRY AND KAITY BERRY AND MIKE ALLRED AND TED WOOSTER AND LYNN STAFFORD ARE LOCATED IN SONOMA COUNTY TOPOGRAPHIC MAPS AS FOLLOWS: ARCHED ROCK, CAMP MEEKER, CAZADERO, DUNCANS MILLS, FORT ROSS, PLANTATION

All endangered plants and animals are plotted on Jim Berry's Maptech program maps, including NSO's.

During most of Ted Wooster's time as Designated Biologist (Environmental Scientist IV) the NSO documents were "Confidential". They are now public records but all biological professionals must still guard against misuse of this data.

When Mike Allred died suddenly in 2009, the time and energy required to follow up on many NSO's died with him.

Valerio, Katrina—Wildlife Specialist, NSO Database, Biogeographical Data Branch, 1807 13th Street, Suite 202, Sacramento, CA 95814

Katrina was an associate of Gordon Gould at DFG until 2009 and then nothing was heard from her until 2011 when Kristine Donat said she had been gone for two years and no data entered on data base for NSO 0068 which I sent for the years 2005, 2006, 2007, 2008, 2009 while she was there. No response from Gordon Gould when Kristine forwarded my email.

NSO LOCATIONS (any audible or visual contacts) are plotted ON 7.5 MINUTE TOPOGRAPHIC MAPS AND NORTH AMERICAN DATUM 27 AND ARE LOCATED AS PRECISELY AS POSSIBLE BY COORDINATES USING DECIMAL DEGREES. See the Table below which will be edited as more data is known.

The leading NSO data manager for CDFW's biogeographical unit is Kate Whitney. Her email address as of 20 Aug.2013 is owlobs@wildlife.ca.gov or Whitney.Kate@wildlife.ca.gov

Sonoma County NSO Contacts

Data compilation guidance was not available until 1992 when protocol became standardized. At first Jim Berry collected data by station and not by time. We have adapted the old records to the current protocol for ready comparison.

Included are field based Technical Assistance reports from Ted Wooster (Environmental Scientist IV for DFG Region 3) for the period 1989 to 1999 when he retired. Wooster's field based Technical Assistance (TA) files are second to none for the following counties: Mendocino, Lake, Napa, Marin and Sonoma. I shall include a TA for each THP when possible. It is not known if any of these TA's ever made it into the DF&W biogeographic data file. It is recommended that Kate Whitney contact Wooster and make sure that all possible Wooster data become part of the database.

ALL CALLS ARE 10 MINUTES UNLESS CONTACT IS MADE AND NEW INFORMATION IS DEVELOPING (LONGER CALLS) OR WHEN A CONTINUOUS CALL IS MADE SUCH AS WHEN A ROAD WILL PROVIDE FULL AUDIBLE COVERAGE

First NSO Contact

| | | | | |
|----------|--------------|------------|-------------|-----------------------|
| NSO 0031 | Crawford Gl. | 38.4456173 | 123.0123126 | 1 May 1997 (JMB & TW) |
|----------|--------------|------------|-------------|-----------------------|

+ Jim Berry's first NSO contact was in 1976 on a ridge between Crawford and Tyrone Gulches west of Dutch Bill Creek. It was in the middle of the day with bright sunlight. This NSO seemed very curious and unafraid of me. He was perched on a tanoak about 10 feet away. I watched him for at least 10 minutes. We had just done a selective harvest and I was doing a stocking survey. I was struck with how tame and curious he was. Fourteen years later, Ted Wooster, his supervisor and Jim found NSO triplets within 500' of that first spot. Jim found them first due to the high pitched sounds of the fledglings near him. The Crawford Gulch NSO's were the first NSO's my wife, Joyce, and I videoed. The Marie Gulch NSO still does not have a number and so forth due to no field guidance (since 1999) and/or data not being entered at the biogeographical division of then DFG.

The first time Jim Berry was accompanied by a professional biologist looking for NSO's in the forest was on 14 April 1989 (see Wooster TA). Lynn Stafford (Gardner THP) gave the landowners and Jim Berry the first in depth biology about NSO's. The site was located just off Jonive Road east of Occidental. Lynn Stafford later worked with Wooster of DFG.

Hottest evening calls with positive NSO response was 84 degrees F between Lone Pine and Fort Ross Road Northeast of Berry Family TPZ NSO 0102 SON (Ward Creek watershed).

| | | | | |
|----------|-------------------|------------|-------------|----------------|
| SON 0102 | Little Oat (Ward) | 38.5439099 | 123.1108154 | 27 August 2012 |
|----------|-------------------|------------|-------------|----------------|

Coldest weather with a positive NSO response was in the 40-45 degree range on 3 December 1993 on Starrett-Torr (Dutch bill Creek watershed).

Noisy NSO Contact Habitats

| | | | | |
|----------|-------------|------------|-------------|--------------------------|
| SON 0076 | Mays Canyon | 38.4901214 | 122.9855305 | 27 April 1993 (JMB &TW)) |
|----------|-------------|------------|-------------|--------------------------|

The above NSO discovered by Jim Berry in 1993 and confirmed by Wooster probably has the noisiest habitat of all the NSO surveyed by Jim Berry. The only equally noisy NSO location is NSO SON0060 on Sheridan Gulch with noise from a different section of Hwy. 116 and Moscow Road. The Thompson NSO roost location near Occidental Road (2012) is also very noisy. NSO 0015 had nearly 24 hour noise from Bohemian Hwy. but has not been contacted for nearly 20 years. Ted Wooster referred to these owls as “Ghetto NSO’s”.

Wooster, Environmental Scientist IV, DFG Region III

“Ted Wooster trained many biologists and foresters to survey for NSO’s so that this species is likely one of the best documented sensitive species in the world. He helped to build trust between private industry and himself when that trust was vital to finding out the forest based habitat and behavior of this endearing species. It was a time of great controversy as whole towns in the Pacific Northwest shrank due to forest management adaptations for the NSO. Wooster maintained “truth in biology” even when politics seemed to dictate otherwise.

In 1977, there were only 5 documented NSO’s in Sonoma County. This same outdated information was still on CDFG maps in the 1990’s while the Board of Forestry’s Northern Spotted Owl subcommittee was trying to formulate a Habitat Conservation Plan. Gordon Gould of the Biogeographical Unit was one of the committee members and had a great deal of information about many more NSO’s in Sonoma County but did not correct the badly out of date data after one full year of meetings. Jim Berry was on the committee representing Forest Landowners and he quit in disgust after one year. At the end of this year, Ted Wooster was brought in to talk to FRAPP about this oversight but nothing was done about it.

In 2013, foresters and biologists are surveying and monitoring more than 100 NSO Activity Centers in Sonoma, although lack of resources to survey has greatly reduced the ability of foresters and biologists to get current and updated information. The number of new Barred sites need to be visited. Wooster confirmed or documented most of the NSO’s before he retired in 1999. Many NSOs were documented by Wooster in atypical habitat such as 5 NSO’s in Marin County which were in pure California Laurel stands. Jim Berry located a roosting pair of NSO’s (NSO 0076) on Mays Canyon Creek, This pair was (located by Jim Berry and confirmed by Ted Wooster in daylight) in small tanoak with supposedly inadequate flyways underneath canopy, about 1000’ from water and in a spot with noise night and day from down town Guerneville on one side and Hwy. 116 on the other and with few packrat nests in the area. These are all believed to be atypical habitat factors.

Technical Assistance (TA’s) for all THP’s and NTMP’s the period 1999 to 2009 were from US Fish and Wildlife’s Ken Hoffman and are office based, depending on foresters and biologists to carefully and accurately report NSO and now Barred Owl Activity centers and contacts etc. We will include them as well. Current TA’s for Sonoma County are provided by Bill Mc Iver of US Fish and Wildlife when responding to Calfire TA request. This was done by Wendy Snyder (and Calfire’s Bob Motroni) until Wendy retired in July of 2013.

The following are Activity Centers or contact points for Northern Spotted Owl and Barred Owls in Sonoma County. Many have not had current surveys due to lack of biological resources.

SONOMA COUNTY- NSO&BARRED OWL AC's FROM JIM BERRY & MAPTECH

| NSO NDDB# | WATERCOURSE | LATITUDE (N) | LONGITUDE (W) | LAST DATE CONFIRMED |
|-----------|--------------------------|--------------|---------------|---------------------------|
| SON 0001 | Fife | 38.5381696 | 123.0114449 | NDDB |
| SON 0002 | Bohemian | 38.4720916 | 123.9873520 | (MS) |
| SON 0004 | East Russian | 38.4793679 | 123.1142522 | ? |
| SON 0010 | Kidd | 38.4990962 | 123.0904763 | 2012 (JMB) |
| SON 0015 | Salmon | 38.3989158 | 122.9363303 | |
| SON 0019 | Haupt | 38.6383341 | 123.3058154 | ? |
| SON 0020 | Austin Roughs | 38.5628581 | 123.0941603 | ? |
| SON 0021 | Freezeout | 38.4371500 | 123.0225508 | ? |
| SON 0022 | Willow | 38.4212694 | 123.0240442 | NDDB |
| SON 0026 | Bay Hill | 38.3460745 | 123.0000162 | ? |
| NSO 0031 | Crawford Gl. | 38.4456173 | 123.0123126 | 1 May 1997 (JMB & TW) |
| SON 0033 | | 38.6387702 | 123.2376978 | ? |
| SON 0036 | Fay (Salmon) | 38.3638810 | 123.9997770 | ? |
| SON 0037 | Upper Fay | 38.3896334 | 123.9889657 | ? |
| SON 0038 | Quail Hill | 38.3850947 | 122.9434947 | 22 June 1993 (JMB) |
| SON 0047 | Mid. Russian Gl. | 38.4830343 | 123.1476519 | ? |
| SON 0049 | Jenner | 38.4663975 | 123.1142367 | Barred-NSO |
| SON 0060 | Sheridan Gulch | 38.4634663 | 123.0329224 | 30 April 2013 (JMB) |
| SON 0068 | Sheephouse | 38.4632841 | 123.0802633 | 16 April 2012 (JMB) |
| SON 0076 | Mays Canyon | 38.4901214 | 122.9855305 | 27 April 1993 (JMB & TW)) |
| SON 0077 | Pocket Canyon | 38.4800395 | 122.9288394 | NDDB |
| SON 0079 | Bull Barn | 38.4896557 | 123.0712788 | NDDB |
| SON 0083 | Smith | 38.4725071 | 122.9661943 | ?(MS) Barred? |
| SON 0084 | Westminster (Dutch Bill) | 38.4314830 | 122.9821289 | 21 August 1998 (JMB & TW) |
| SON 0101 | Seaview (Gualala) | 38.5896843 | 123.2948545 | Barred AC 2012 (MG) |
| SON 0102 | Little Oat (Ward) | 38.5439099 | 123.1108154 | 27 August 2012 |
| SON 0104 | Elim | 38.0205049 | 123.0906831 | 20 May 2013 (JMB & PT)) |
| NSO (no#) | Marie Torr | 38.4539915 | 123.0113525 | 16 July 1998 (JMB) |
| NSO (no#) | Sheridan Ranch | 38.4728571 | 123.0340458 | 1998 (TW) |
| NSO no#? | Sheridan Hwy.116 | 38.4740368 | 123.0268716 | 20 August 2003 (JMB) |
| NSO no# | Royaneh | 38.5113217 | 123.0690143 | 27 August 2009 (JMB) |
| NSO no# | Thompson | 38.4012320 | 123.9219261 | 23 June 2012 (JMB) |
| BARRED | Coon | 38.5228836 | 123.0571806 | 30 April 2013 (JMB) |
| BARRED | Timber Cove | 38.5552124 | 123.2653019 | 21 April 2012 (JMB & MG) |
| BARRED | Jenner | 38.4631902 | 123.1005057 | 2 June 2013 |

Are NSO populations really crashing? The NSO-Barred database is still far behind in entering data so some sharing of data is needed to at least establish presence or absence of NSO's and the new Barred Owl territories. This is intended as a snapshot of what is happening with foresters and biologists in Sonoma County. For foresters and Biologists, add any NSO or Barred Owl data to the list for Sonoma County for which you have data. Can we find a way to bring some credible data to the NSO discussion?

This table is intended to be a communication tool between resources professionals and will only be forwarded to Kate Whitney if we can be fairly sure that the data is as up to date as we can make it and are confident that it will be used appropriately. Michael Hardy and now Kate Whitney have assured us that the biogeographical unit wants NSO and Barred Owl data. The decimal-degree coordinate system was

chosen because that seems to be the method selected by the Biogeographical Unit for future reporting.

Many NSO locations have not been surveyed in years due to minimal harvest activity and limited surveyor resources, so NSO's or Barred's are often occupying the Activity Center but no one has been able to survey recently. Many Activity Centers have been surveyed for many years and have not been entered in the NSO database. Other Activity Centers have been informally surveyed and generally not reported. A great deal of data is not computerized and difficult to manage or report. Some AC's are difficult to determine if they represent one or two territories if there is over lapping of roosting and foraging contacts. JMB refers to Jim Berry, MG refers to Matt Greene, MS refers to Mike Stephens, TW refers to Ted Wooster. PT refers to Pam Town, JB refers to John Bennett.

The following NSO summary is
from the Axia Wildlife co.

Spotted Owl

Strix occidentalis

General Description

The Spotted Owl is a large, nocturnal, woodland owl of western North America. It is darkly colored, has a round head with no ear tufts, and dark brown eyes. Its brown plumage is heavily spotted with white on the breast and belly, less so on the wings, back, and head. The pale brown facial disks are concentrically ringed with dark brown. The eyebrows, lores, and bill are grayish. Its plumage is soft and fluffy, allowing completely silent flight. In flight it has heavy methodical wing beats, but appears buoyant for its size.

Size

The Spotted Owl is the 5th largest owl in North America. Females are about 10% larger than males. Lengths average 19 inches (48 centimeters) for females and 18 inches (46 centimeters) for males. Wingspans average 43 inches (109 centimeters) for females and 42 inches (106 centimeters) for males. Weights average 1.1 pounds (502 grams) for females and .86 pounds (391 grams) for males.

Morphs

The Spotted Owl is monotypic with little general plumage variation except for the extent of spotting.

Specific Description

Adult

- refer to above
- dark eyes, earless, large size
- profuse white spotting on dark brown plumage

Juvenile

- pale brown plumage overall, broadly barred with buff except the head and legs which are a uniform pale brown

Similar Species

The Spotted Owl is most easily confused with the Barred Owl. The Barred Owl has a similar shape, size, and dark eyes, but is grayish, rather than brown, is marked with dark vertical bars on its underparts, rather than with light spots, sits more erect, and has a much different primary call. The Great Gray Owl has a similar shape but is larger and has yellow eyes. The Great Horned Owl has yellow eyes, prominent ear tufts, and is much larger.

Other Names

It has also been known as Northern Spotted Owl, California Spotted Owl, Mexican Spotted Owl, Arizona Spotted Owl, Western Barred Owl, Wood Owl, Hoot Owl, and Canyon Owl.

Etymology

The scientific name *Strix occidentalis* translates, rather pedantically, into "western screech owl".

Mythology

No information available.

RANGE

North America - Resident in the mountains and in the humid coastal forest from southwestern mainland British Columbia south through western Washington and western Oregon to southern California; and in the Rocky Mountain region of the interior from southern Utah and southwestern and south-central Colorado south through the mountains of Arizona, New Mexico, and extreme northwestern Texas.

Subspecies - There are 3 recognized subspecies of this owl all of which are found in North America. The race *S. o. caurina* is known as the "Northern" Spotted Owl, *S. o. lucida* as the "Mexican" Spotted Owl, and *S. o. occidentalis* as the "California" Spotted Owl.

Strix occidentalis caurina - occurs from extreme southwestern mainland British Columbia along in the coastal mountains ranges to central California.

Strix occidentalis lucida - occurs from southeastern Utah, south-central and southwestern Colorado, south through eastern Arizona, New Mexico, and extreme northwestern Texas.

Strix occidentalis occidentalis - occurs in the coastal mountain ranges and western slopes of the Sierra Nevada Mountains in California.

The Spotted Owl also occurs in Mexico.

BEHAVIOR

The Spotted Owl is a placid owl, allowing close approach by humans and being reluctant to fly. Unlike most other owls, it may not defend its eggs and young from predators, watching nearby as the nest is destroyed.

Hunting is done mainly at night, usually beginning just after sunset and ending a half hour before sunrise. It is a "sit and wait" predator that dives down onto prey after locating it. Foraging while in flight is very rare. Prey is usually consumed immediately but some is cached for later use. Prey taken to the nest by the male is often decapitated first. During the day, it may take the odd prey that passes by its dayroost, fly to a food cache, or fly to a nearby stream to drink. The Spotted Owl is known to walk around campgrounds at night to pick up scraps of food.

The Spotted Owl is generally nonmigratory, except that some downslope movement from mountains may occur in winter. Adults tend to remain near their traditional nesting territories, while juveniles disperse widely, as much as 60 to 125 miles (100 to 200 kilometers). Breeding territories can be 370 to 1,240 acres (150 to 500 hectares) and winter home ranges may reach 8 square miles (20 square kilometers). Densities can be between 1 pair in every 1 to 2 square miles (3 to 5 square kilometers) in areas of good habitat.

This is a long-lived owl with captive owls of 21 years being known. Mortality in the wild is thought to be very high (60 to 95%) for juveniles, especially during the dispersal stage. Adult mortality is estimated at 5 to 20% annually. Great Horned Owls are likely the only major predator of Spotted Owls, and most juveniles likely starve to death. It is thought that Barred Owls will outcompete Spotted Owls for habitat, by being more aggressive, when the two species come into contact.

Spotted Owls do not breed until they are 2 years of age. Once paired, mates remain faithful for life, but a new mate is readily taken when the other disappears. Pair bonds as long as 8 years are known. Prior to egg-laying, copulation occurs nightly, usually at dusk. Pairs typically leave their roost at dusk, call for a few minutes, then the male flies to the female (which gives a copulation call) and treads her wings, and then copulates with her.

Adaptations

Its ears are placed asymmetrically and it uses triangulation of sounds to locate prey at night, as in the

Barn Owl. It has excellent daytime and nighttime vision. The Spotted Owl responds to temperature variation by moving within the canopy to find the right microclimate. When very hot, it will roost on the north side of slopes, or move to the lower third of a tree, often near a stream.

The Spotted Owl is adapted to a narrow ecological niche in old-growth west coast forests. Its dark plumage is adapted for camouflage in shady forests. Resident owls learn their neighbour's calls, which allows recognition of individuals, and aids in avoiding energy-draining conflicts over territory.

HABITAT

The Spotted Owl is a bird of dense, dark, old-growth or mixed mature and old-growth coniferous forests. Forests are usually dominated by firs or Douglas-fir, but they also use mature hardwood forests of cottonwoods, alders, oak, and sycamore, especially along steep-walled river valleys. They prefer an uneven and multilayered canopy. In one Oregon study, 98% of 636 sites were in old-growth forests (over 200 years old). Virtually all foraging and roosting was done in old-growth, with recently cleared or burned forests not used at all. Some nesting occurs in older second-growth (70 to 140 years old). This owl prefers shaded mountain slopes and canyons over flat plateau areas. When roosting it sits on a branch, near the trunk, where it is camouflaged against tree bark and shadows.

Its dependency on old-growth forest may be linked to nest-site availability, broad temperature gradients, and diverse roosting and hunting areas.

VOICE

All calls are relatively low-pitched, pure tones. The typical advertisement call of this owl is a mellow, 4-note hoot, "hoo-hoohoo-hoo". It is given by both sexes and serves as a territorial call and mate-locating call. During territorial disputes it gives a more excited version of the 4-note call. Other calls are 1) the "series location call", a series of 7 to 15 hoots, given during disputes and or calls between paired birds 2) a "bark series" of 3 to 7 loud, rapid barks, given mainly by the female during territorial squabbles, and 3) the "nest call" given during the prenesting period. Other sounds given when alarmed include grunts, groans, and chatters. The female often emits a loud "co-weeep" to contact her mate. During copulation the male hoots and the female chatters.

PELLETS

Pellets are large and compact measuring about 2 to 3 inches (5.1 to 7.6 centimeters) in length. Pellets contain numerous bones, skulls, and teeth, and are held together by fur and mucus.

FOODS

The Spotted Owl feeds mainly on northern flying squirrels and wood rats and this owl's distribution is often limited by the distribution of these two prey species. In Oregon, flying squirrels are the primary prey, but in Arizona, wood rats are more important. Other major prey include rabbits and hares. Large prey such as flying squirrels and wood rats are necessary for successful breeding. Summer diets are more varied with deer mice and voles being important foods. Spotted Owls are known to capture 30 mammal species and 23 bird species as prey. They also eat snakes, crickets, beetles, and moths.

NESTING

The Spotted Owl nests primarily in stick nests of Northern Goshawks, on clumps of mistletoe, in large tree cavities, on broken tops of large trees, on large branches, or cavities in banks and rock faces. In the eastern Cascade Mountains of Washington, 55.3% of 85 nests were in old Northern Goshawk nests whereas, in Oregon, 64% of 47 nests were in tree cavities. Most nests were in large-diameter Douglas-firs, almost always in live trees. Nest heights averaged about 90 feet (27 meters) above the ground.

National Audubon Society. 1986. Report on the advisory panel on the Spotted Owl. National Audubon Society Conservation Report Number 7, New York, New York 47 pages.

Ward, J.P., Jr., A.B. Franklin, and R.J. Gutierrez. 1991. Using search time and regression to estimate abundance of territorial Spotted Owls. *Ecological Application* 1:207-214.

THP, NTMP, NSO, BARRED LIST

For James Montgomery Berry, designee for
RPF Loren Montgomery Berry #1193. 1974-2013

70 THP's since 1974-all in Sonoma County

BLUE MEANS SURVEY NEEDED

RED MEANS NSO PREDATOR

YELLOW MEANS NSO CONTACT

ATWOOD-THP #1-93-225 SON NSO CONTACT NSO 0076 27 APRIL 1993, WOOSTER

TA-NEEDS CURRENT SURVEY

BEI THP #1-91-379 SON **SEE TECHNICAL ASSISTANCE FROM WOOSTER**

BERRY, BRUCE AND MAUREEN- THP #1-89-288 SON PRE-NSO LISTING NSO 0104 area

BERRY (CHASUK) THP1-80-175 S PRE NSO LISTING **NEEDS CURRENT SURVEY**

BERRY (JAHNSEN) THP #1-76-683 S PRE-NSO LISTING

BERRY, FAITH THP #1-83-129 SON PRE-NSO LISTING—NSO CONTACT LATER (Berry-SON

0102) See BERRY FAMILY NTMP No TA yet for NTMP

BERRY, FAITH (DEAD HORSE) THP #1-87-232 SON PRE-NSO LISTING—New NSO 0102

CONTACT in 2006 SURVEYS CURRENT

BERRY (ELIM GULCH [REDWOOD PIECE]) THP#1-91-096 SON **NEW NSO Contact (SON0104) IN**

2008, 2009, 2010, 2011, 2012, 2013

BERRY FAMILY NTMP- **NSO 0102 CONTACT 2006, 2007, 2008, 2009, 2010, 2011, 2012**

BROWN, ELMER 1-74- PRE-NSO LISTING

BIRKHOFFER ET AL THP #1-81-548 S PRE-NSO LISTING- **NEEDS CURRENT SURVEY-SON0076**

CARLSON 40 THP#1-82-269 S PRE NSO LISTING SURVEY NEEDED

CHADWICK THP#1-75?? PRE-NSO LISTING Barred owl nearby NTMP calls 2011, 2012

CHALMERS THP#1-76-289 S PRE-NSO LISTING-NEEDS CURRENT SURVEY

CHENOWETH THP#1-97-237 SON NO NSO CONTACT TA needed NEEDS CURRENT SURVEY

CITIZENS RESOURCES (MESA GRANDE) THP#1-74-294 S & 1-74-1002 S, NOW 0068 HABITAT

CITIZENS RESOURCES (CRAWFORD GULCH) 1-75-154 S, 1-75-461 S, ALL PRE-NSO LISTING
1976 MALE CONTACT SAME YEAR AS CRAWFORD HARVESTS-NEEDS CURRENT SURVEY

CITIZENS RESOURCES (HARRISON GL. AND SCHOOLHOUSE GL.) 1-76-461 S PRE-NSO

LISTING AREA- NO SCHOOLHOUSE SURVEY CURRENT

CITIZENS RESOURCES (MT. JACKSON) THP# 1-77-396 S & THP #1-78-184 S & THP #1-79-124 S
&THP#1-80-175 S (ALL 4 PRE-NSO LISTING) NEEDS CURRENT SURVEY

COON GULCH THP#1-76?? PRE-NSO LISTING CURRENT CALLING OF BARRED 2008, 2009

CYO (YAASF)-Mc Guckin THP#1-76-816 S PRE-NSO LISTING NEEDS CURRENT SURVEY

CYO (YAASF)-Mc GUCKIN THP#1-00-090 SON NO CONTACT WITH SON0015-NEEDS
CURRENT SURVEY

CYO (YAASF) -WYATT (KIM)- THP#1-95-212-SON MALE NSO CONTACT NEEDS CURRENT
SURVEY

DAVIS-THP #1-92-099 SON NSO 0010 (Kidd Creek) NO CONTACT SEE WOOSTER TA

DAY (REDWOOD TRUST)- THP#1-99-154 SON MALE NSO SON 0060 YEARS 1992, 1999, 2000
CURRENT SURVEY ADJACENT FOR SON0060

FORRY THP#1-99-078 SON NO NSO CONTACT NOW A BARRED TERRITORY SEE

HOFFMAN TA

FRATI THP#1-77-321 S PRE-NSO LISTING 0076 DETECTED NEARBY 27 April
1993-NEEDS CURRENT SURVEY

GARDNER- THP#1-90-593 SON NO NSO CONTACT SEE WOOSTER TA--NEEDS CURRENT
SURVEY

GRIDER (WAGON TREE GULCH)THP#1-04-040 SON HOFFMAN TA? ONE MALE

CONTACT NOW A HOUSE

GUIDICI THP#1-96-080 SON NO NSO CONTACT (3 foot DBH typical redwood stand)

HARMON THP# 1-76-928 S PRE NSO LISTING-RECOVERING FROM Creighton Ridge Wildfire

HABITAT BUILDING BUT BARRED OR NSO COULD BE PRESENT

HENLY THP#1-83-158 S PRE NSO LISTING

HURWITZ THP#1-96-264 SON NSO CONTACT SON0060 CURRENT&Wooster TA

ISAAC THP#1-94-057 SON NO NSO CONTACT-NEEDS CURRENT SURVEY

JENNER GULCH THP#1-82-?? MALE 1990 //Angry pair AFTER Wooster-Berry calls on Jenner Gulch

in 1994? No harvest after 1982-30 years with no habitat change after light selection CURRENT

SURVEY UNDER WAY

LAPHAM THP#1-99-472 SON-- NO NSO CONTACT-- TA not found yet

LIBERTY VIEW THP#1-02-129 SON-- NSO CONTACT (ALLRED AND BERRY) SON0068

LORENZINI 1-87-452 SON PRE NSO LISTING NEEDS CURRENT SURVEY

MARKHAM'S OVERLOOK THP#1-01-105 SON NO NSO contact GREAT HORNED PRESENCE

MARRA THP# 1-84-143 SON &THP#1-97-237 SON MALE CONTACT AC SON 0039 in 1993-

Wooster TA NEEDS CURRENT SURVEY

MC DONELL THP#1-01-430 SON NO NSO CONTACT TA from Hoffman-highest Dusky-footed

packrat population noted in 24 years-NEEDS CURRENT SURVEY

MESA GRANDE NTMP#PENDING NSO0060 CONTACT-MALE & FEMALE SINCE 1992

MONTAFI NSO CALLS BUT NO THP -TA from Wooster and Hoffman-- NO NSO CONTACT

MT.GILEAD THP#1-94-374 SON NO NSO CONTACT- BUSY CAMP WITH MARGINAL HAB.

MUNIZ BOUNDARY THP#1-93-073 SON NSO 0068?(VOCAL CONTACT FROM UPPER

SHEEPHOUSE) BY ALLRED-UPPER SHEEPHOUSE NEEDS SURVEY

NICOL THP#1-84-447 SON PRE -NSO LISTING NEEDS CURRENT SURVEY

PARMETER 1-13-077 SON PAIR AND YOUNG CONTACT 2009 (Royaneh NSO ?

PEDROIA THP#1-91-098 SON & THP# 1-97-094 SON NSO 0015 SON CONTACT VISUAL AND

VOCAL 1992, 1993, 1994 day care center next door and vinyard activities but many packrats in orchard

PLANTATION SOUTH THP #1-03-146 SON MALE and FEMALE AND 2 YOUNG HUNTING ON

WILLIG GULCH (Allred-2004) DURING PLANTATION SOUTH OPERATIONS

RAKOWITZ THP#1-91-186 SON NO NSO CONTACT BUT GOOD 3 story HABITAT -SEE

WOOSTER TA NEEDS CURRENT SURVEY

SAWMILL GULCH THP#1-01-105 SON SEE HOFFMAN TA NSO IN 1994 ONLY (GREAT

HORNED MOVED IN DURING LATE 1990'S) NO HARVEST UNTIL 2002

SCHAEFFER THP#1-84-377 SON PRE-NSO LISTING NEEDS CURRENT SURVEY

SIELERT THP #1-89-149 SON PRE-NSO LISTING NEEDS CURRENT SURVEY

STARRETT-TORR-TYRONE THP's 1-75-700 S & 1-93-041 SON & #1-98-113 SON0031 CONTACT

IN 1976, 1992

ST. MICHAELS THP #1-85-289 SON PRE NSO LISTING NEEDS CURRENT SURVEY

THOMPSON THP #1-06-172 GREAT HORNED CONTACT IN 2001,2002,2005, 2006, 2007--SON

MALE AND FEMALE NSO CONTACT IN 2012- USFW (Mc Iver) TA

TORR NORTHWOOD THP#1-90? NEEDS CURRENT SURVEY- TWO OR THREE STORY HAB.

TORR TYRONE THP #1-93-041 SON NSO CONTACT IN ADJACENT CRAWFORD GULCH

(TRIPLETS) SEE PHOTOS-- NEEDS CURRENT SURVEY

VANUCCI THP #1-78-182 S pre-nso listing --NEEDS CURRENT SURVEY

WALDRON THP: 1-89-287 SON PRE-NSO LISTING

WESTMINSTER THP's: #1-78-183 S & #1-92-163- WOOSTER TA ENCLOSED- PAIR

CONFIRMED BY WOOSTER TWO YEARS AFTER HARVEST-- NEEDS CURRENTSURVEY

WILLIG GULCH THP's: #1-08-025 SON PAIR AND YOUNG NSO CONTACT 2004 COULD

HAVE BEEN 0004, 0049 OR 0068 SURVEYS CURRENT

ZIGADENE: 1-12-040 SON NSO AND BARRED CONTACT IN 2013

NSO HIGHLIGHTS

The following accounts are separated from the NSO call data due to special observations or unusual details with descriptions requiring more space and provide a flavor of 24 years of audible and visual observations. Jim Berry's first NSO contact was in 1976 on a ridge between Crawford and Tyrone Gulches west of Dutch Bill Creek. The NSO pair and triplets were confirmed and photographed 1 May 1997 by Jim Berry and Ted Wooster

| | | | | |
|----------|--------------|------------|-------------|------------|
| NSO 0031 | Crawford Gl. | 38.4456173 | 123.0123126 | 1 May 1997 |
|----------|--------------|------------|-------------|------------|

General Forest Owl Observations

The six common forest owls in Western Sonoma County are: Pygmy, Sawwhett, Screech, Northern Spotted, Great Horned and Barred. The Barn owl has been seen a few times on Sawmill Gulch. Jim Berry's first NSO sighting was in the middle of the day with bright sunlight. This NSO seemed very curious and unafraid of me. He was perched on a tanoak about 10 feet away. This was in 1976 on Crawford Gulch. I watched him for at least 10 minutes. We had just done a selective harvest and I was doing a stocking survey. I was struck with how tame he was. I had no idea at that time that any timber harvest might be a problem.

Fourteen years later, Ted Wooster, his supervisor and Jim found NSO triplets within 500' of that first spot. Jim found them first due to their high pitched sounds near him. The Crawford Gulch NSO's were the first NSO's my wife, Joyce, and I videoed. I introduced the Marie Gulch NSO (Monte Rio) to my daughter, Kaity, who was 4 years old. The Marie Gulch and Westminster NSO's still do not have a number after 16 years. The Westminster NSO bachelor male paired up within 2 years of when we concluded our harvest.

Many times we contacted Sawwhett and Screech and Pygmy owls within active NSO territories. Sawwhets seemed most active in the coolest weather. One night, Jim managed to get 5 Pygmy owls talking to him at the same time. This was in the St. Elmo Creek watershed. Several times at least three forest owls (at the same time) were called from my own home by one to four family members.

The forest owl response-night of a lifetime was on the Berry Family Timber Production Zone on 26 April 2010. This is an area with mixed field and conifer-hardwood forest in the Ward and St. Elmo Creek watersheds. All responses were between 2020 and 2214 hours. Owls contacted were: Screech owl pair, a Great Horned pair, a Sawwhett and a Northern Spotted owl pair. The Great Horned pair were about one mile from the NSO pair and were heard in the same spot 25 December 2013. The Screech and Sawwhett have been contacted (foraging) in the NSO territory since 1991.

The finest Dusky-footed Packrat population seen in 24 years of surveying was north of Monte Rio and we got no owl responses there. According to Ted Wooster, Poison oak berries are a favored food of the packrat and few forest locations were poison oak free.

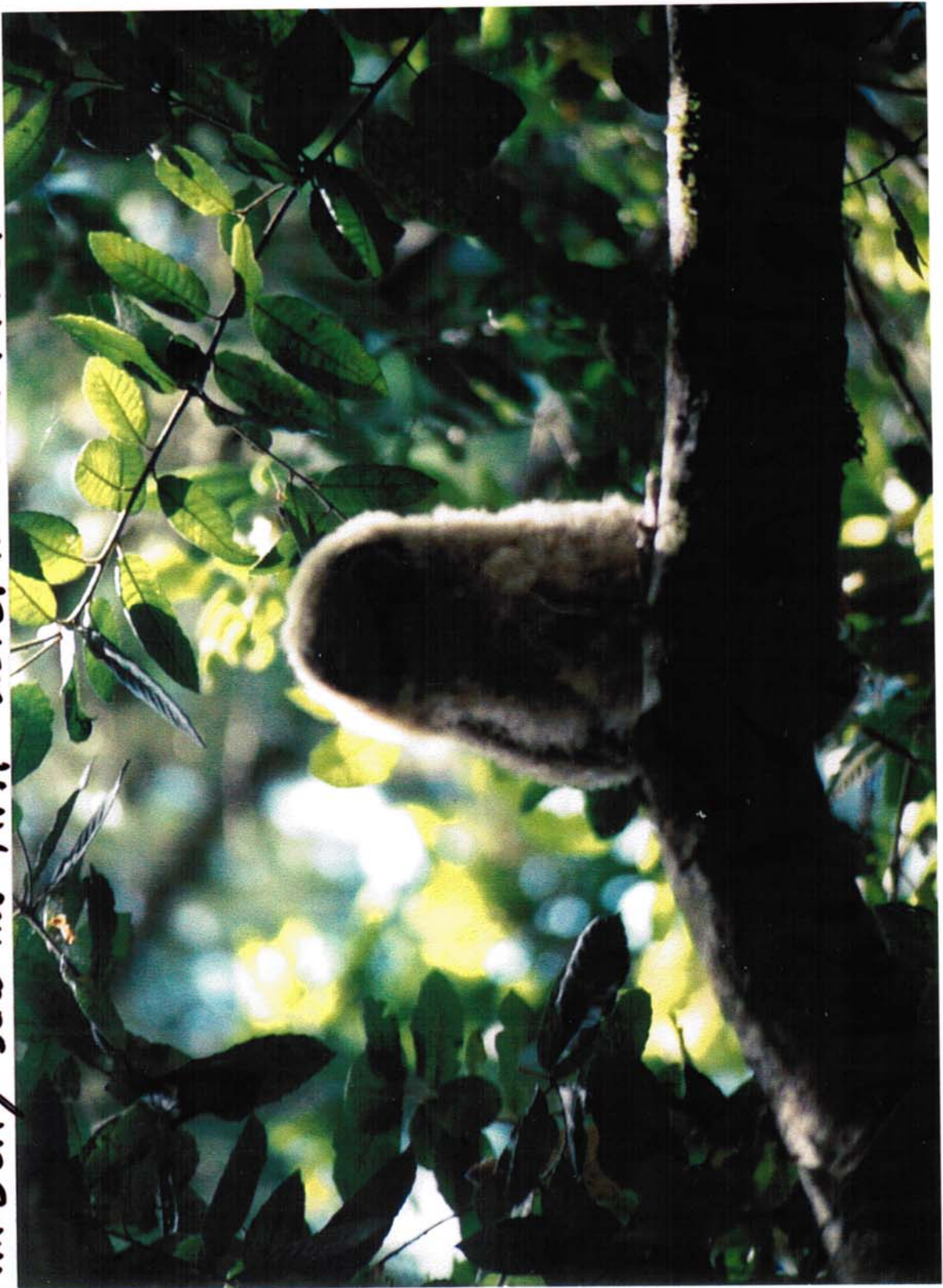
We did not find any compatible habitat sharing between NSO's vs. Great Horned or Barred owls. All NSO's disappeared when Great Horned owls showed up. We do not know if they were killed or left. We did contact NSO and Barred males within 400 feet of each other in 2013 but do not know if they will share habitat as yet. All of our owls were unpredictable about responses, even when we knew the Activity Center.

This territory is still unnumbered



Crawford Gulch NSW seizing Wooster's white mouse

one of northern spotted owl triplets on view from
Gulch above Tytohe. Nest in Douglas Fir (40") Age 93
Tim Berry saw his first N.S.O. here in 1976.



Pedroia NSO Habitat for NSO SON 0015 &THP # 1-91-098

| | | | |
|----------|--------|------------|-------------|
| SON 0015 | Salmon | 38.3989158 | 122.9363303 |
|----------|--------|------------|-------------|

This NSO habitat is found on Salmon Creek about ½ mile southwest of Occidental in Sonoma County. The NSO # is 0015 in the Natural Diversity Data Base. There had been no commercial harvest on this property since before 1910. Ansel Banks, Vince Pedroia's grandfather, purchased this ranch in 1910. There was no site preparation (until the later 1990's vineyard development) since some areas were cleared for orchard and pasture by the owners and William Kingwell et al. The selective harvest should maintain or increase NSO forage. A letter from Ted Wooster to Jim Berry dated June 9, 1992 documents NSO and wildlife status following harvest. Both Pygmy and Sawwhet Owls have been noted foraging in the adjacent field by Jim Berry. This is noted in survey reports. **This was the first NSO day sighting by Gardner and Pedroia on 11 February 1991 and second one by Berry.**

| | | | | |
|----------|--------|------------|-------------|--|
| SON 0015 | Salmon | 38.3989158 | 122.9363303 | |
|----------|--------|------------|-------------|--|

11 February 1991

On February 11, 1991, a Spotted Owl was called by Ted Wooster and observed by Vince Pedroia, Jack Gardner and Jim Berry (during the day) near the northwest corner of the plan (THP #1-91-098) just above busy Bohemian Highway and near a day care center. This was the first day time view of a NSO by Pedroia and Gardner and second for Berry. We all had a good view of the NSO flying at our eye level toward Bohemian Hwy. from us. Full reconnaissance of the plan area by Wooster provided no nest location at that time. Jim Berry found the nest location later at the top of the historic orchard in a large tanoak. At least 7 Dusky-footed packrat nests were located through the brush and orchard. One very large packrat nest was located about 15 feet up in an old apple tree. A photo is found in Jim's wildlife album. The Dusky-footed Packrat is a species of Special Concern and is a favorite food of *Strix occidentalis*.

A 1.3 mile radius vegetative-habitat map is enclosed. Based on extensive personal experience in this area, this is an exclusively young growth (sprouts) and mixed hardwood-coniferous forest. Approximately 48% of this 3398 acre habitat circle is open or orchard and 52% mixed forest. Environmental Scientist Ted Wooster later designated this NSO as SON 0015 and this sighting was about 500 feet from the nest later discovered by Berry in a large tanoak at the top of the old Banks-Pedroia orchard. This was part of a narrow strip of second growth forest between two old orchards. The upper orchard was converted into a vineyard soon after the last sighting. Both areas have been orchards since 1910.

Jim Berry, Mike Allred, Kaity Berry near Activity Center
for NSO 0068-Sheephouse Creek (below)



Typical Dusky-footed Packrat Nest



Dusky-footed Packrat- NSO Favorite (below)



Crawford Gulch NSO Fledgling and parent 1991(below)



NSO fledglings (below) snuggling near AC for NSO 0060
In 1992



| | | | | |
|----------|----------------|------------|-------------|---------------------|
| SON 0060 | Sheridan Gulch | 38.4634663 | 123,0329224 | 30 April 2013 (JMB) |
|----------|----------------|------------|-------------|---------------------|

Sheridan Gulch NSO SON0060 was first contacted and photographed in 1992 and is shown above with two fledglings. It was confirmed by Ted Wooster in 1992 and last confirmed 30 April 2013. The habitat is typical two story canopy and WHR 5 but features nearly 24 hour noise from adjacent Moscow Road and Hwy. 116 across the Russian River. It now has extensive Sudden Oak Death affecting the intermediate story so predation by Barred or Great Horned owls is a concern. It is not known how SOD has affected NSO prey. However, this activity center also had to survive extensive hardwood damage in the January, 1974 snow.

| | | | | |
|----------|-------------|------------|-------------|--------------------------|
| SON 0076 | Mays Canyon | 38.4901214 | 122.9855305 | 27 April 1993 (JMB &TW)) |
|----------|-------------|------------|-------------|--------------------------|

Atwood NSO Roost Discovery 27 April 1993 by Jim Berry

Ted Wooster later designated this NSO pair as SON 0076. The station sequence was A,E,D,C, B on 27 April 1993. Voice call was made between 8:30 and 10:30 on this route. This NSO pair ignored a full 10 minutes of calls at station E but 300' towards station D, the female squawked twice with an enraged tone. She followed me up the ridge while calling continuously. After 3 direct flashes from my 4-cell Mag-lite she hid behind the lowest canopy but called continuously. She was 30' above me for awhile and very agitated and visible. After I traveled another 300' she quit calling and the male chimed in and challenged me through Stations C and D. A Sawwett owl was heard a number of times near Station C.

Wooster and Berry sighted both male and female near Station E about noon the following day. The male and female were 50' apart near a pre-commercial (12" DBH) redwood clump. There is a limited flyway in this area with heavy brush to the ground composed of Poison oak and small tanoak. The commercial Douglas Fir and Coast Redwood compose less than 20% of the top or dominant canopy in this area. This NSO pair were each given a white mouse and showed no tendency to share with young. After an hour of observation Wooster and Berry concluded this pair was not nesting.

This spot is believed to be a roosting location. This spot is not typical because it has poor flyways, is located on a ridge top instead of a canyon and no packrat nests anywhere on the 130 acre property. Also, this is the noisiest contact location Jim Berry can remember hearing or seeing. There are no decadent trees suitable for cavity nests. The oldest trees are less than 150 years of age. No further calling on Stations A,B,C,D will be needed, according to Wooster. This pair will be monitored throughout the life of the THP by Wooster and Berry. Seven 35mm X 225mm telephoto pictures were taken of this pair by Berry.

1994+-NSO SON 0049

In 1994, Jim Berry, Joyce Berry, Mike Allred and a very young Kaity Berry hiked up to the 0049 activity Center during the day. A Douglas Chicory was chattering at the NSO who was

circling us and calling. The NSO made no attempt to attack the squirrel. The NSO was photographed at that time. This AC appears to have moved or been abandoned.

Sawmill Gulch THP#1-01-105 SON and Markham's Overlook THP 1-05-099 have the same audible amphitheatre (Sawmill Gulch) for NSO calling and nearly the same BAA and vegetative habitat (see tables) so most information can be applied to both. All calling for Markham's merely adds to the Sawmill Gulch data and provides a longer survey and analysis time window. The NSO SON 0049 found up to 1994 returned calls until a Great Horned owl moved in as noted by Allred, Berry and Wooster. Wooster believed that 0049 moved just over the hump to Jenner Gulch but attempts by Allred to call again the next year were unsuccessful. After one positive contact by Wooster and Woolsey in Jenner Gulch the NSO was not found again. However, Jenner Gulch still has good habitat and could easily host 0049 for two miles upstream or on one of three tributaries.

No selective harvest took place until 2001 so the habitat on Sawmill Gulch had no change until about 7 years after the last contact in 1994.

When Mike Allred died suddenly in 2009, the time and energy required to follow up on many NSO's died with him.

Sonoma N50 0068
by
Jim Berry

Tanoak



N.S.O. on Sheephouse Cr. July 3, 2000

HIGHWAY 116 NORTHERN SPOTTED OWL REPORT 20 September 2003

| | | | | |
|----------|------------------|------------|-------------|----------------------|
| NSO no#? | Sheridan Hwy.116 | 38.4740368 | 123.0268716 | 20 August 2003 (JMB) |
|----------|------------------|------------|-------------|----------------------|

While traveling west on Highway 116 in Sonoma County about 300' east of the Ward Ranch turnoff near Sheridan Ranch, a Northern Spotted Owl was seen sitting upright on the side line of Highway 116. The date was September 20, 2003 at 2130 hours and Joyce and Kaity Berry were with me. Traffic was fairly heavy on a Saturday night and we were concerned that the owl might be hurt or stunned. Joyce found a tiny flashlight and we followed the shoulder back toward the bird. Joyce spotted him against the oncoming car lights. By the time Jim got there he had disappeared. We heard some rustling in the heavy shrubbery and some beak clacking. Somehow Joyce spotted an owl sitting on the telephone trunk line across Highway 116. The flashlight was too weak to see his spots but his sitting height was exactly NSO. Jim made the male NSO call and then the locational whistle. The owl immediately responded with several classic locational whistles. We could not determine if the telephone line owl was our owl or a supervisor. Our guess is the owl we were seeking was a second owl in the brush who had been hunting a rat etc. from the roadside. The lights and noise from heavy traffic would greatly confuse the sensitive owl eyes and ears.

The vegetative habitat was a ecotone or margin between Sheridan Field and coniferous forest (and pavement). There are about 6 houses within 500' of the sighting. A nearby known territory or activity center on Sheridan Gulch (NSO 060) has been monitored for about 10 years. Dual young were photographed and various combinations of adults were heard or sighted over the ten years. If this is territory 0060, the flight across the Russian River from south to north from the activity center would provide little vegetative cover from Great

Horned or Barred Owls for about ½ mile. This may also be a Sheridan Ranch or Ward Ranch owl centered north of the Russian River as well. Territory number is undocumented or unknown if this is not SON0060. Ted Wooster had told Jim that he believed there was another territory in a 2 acre patch of older second growth redwood on the Sheridan Ranch just above the ranch house within ¼ mile of the Hwy 116 NSO's. He was not sure enough to document it, however. A table section with Decimal Degrees location of the above Hwy. 116 NSO appears at the beginning of this account.

Apparently, NSO's will seek good prey even along a busy highway and must be able to adjust their sensitive eyes to frequently changing bright lights and adjust their ears to loud, unpredictable noises such as sirens and horns.

Contacting NSO 0102SON on Ward Creek, a branch of Austin Creek of the Russian River

31August 2006 by Jim Berry- last confirmed 27 August 2012

| | | | | |
|----------|-------------------|------------|-------------|----------------|
| SON 0102 | Little Oat (Ward) | 38.5439099 | 123.1108154 | 27 August 2012 |
|----------|-------------------|------------|-------------|----------------|

On August 31, 2006, Jim Berry made an attempt to establish the activity center for the Ward Creek Northern Spotted owl pair. The story had begun some two years before when Jim had engaged the two in an

off season dual at Lone Pine Pond without trying the normal U.S. Fish and Wildlife protocol. They had left the area to head down for Ward Creek. No response had been made in the 2001 series of calls but a positive response had been made in 2005 again. On August 19, 2005 at the Ward Creek Viewpoint, a male NSO was heard about ½ mile NE near Ward Creek. At 2139, the NSO male fired up.. He had responded at minute 9 out of the 10 minute call and kept calling for several minutes. He did not change location. Jim heard 3 Great Horned Owl calls from this station at the same time. The temperature was 58 degrees F.

On July 15, 2006 at Lone Pine Plantation a male fired up just below Jim and Kaity Berry in a canyon. He called 13 times while Kaity and Jim voice called. Kaity insisted that the tape was bad and that our voices were better. The next station was Ward Creek Viewpoint and the male NSO persisted his call farther down the same small canyon at 2204 hours. The temperature was 84 degrees F. which is the hottest positive night response Jim had experienced in 17 years of pursuit of the NSO. We realized we needed to detour from our usual stations and follow the male to a landing farther down near Fort Ross Road. He called from this new location 14 times. We followed the retreating male to a vantage point at a doctor's well and power pole. We resumed voice calls and heard both the male and female calls with locational whistles (at 2304 hours) across the north side of Ward Creek.

On July 30, 2006, Jim and Kaity voice called a male from the Ward Creek Viewpoint. We called from 2200 to 2225. The male was quite agitated and called 12 times from west of us. Kaity was calling on her back on top of the 4-wheel drive and saw the male fly over top of her. He then called 10 more times from east of us. He called from high in the canopy of a large Douglas Fir and could not be seen. The next station was Lone Pine Pond and he called to us from a large dense crowned Douglas Fir near the pond. There was no female response. The Dead Horse Springs was quiet as a morgue in contrast. The temperature was 69 degrees F.

All contacts and topographic analysis pointed to an activity center north of Ward Creek. The action day was August 31, 2006. In order to establish the activity center, Jim planned a solo venture into rugged Ward Creek. The area had to be approached during daylight because the creek sides were very steep and the bed was composed of endless large, slippery boulders. Jim found his way about 500 feet north of Ward Creek

and waited for darkness. The stand is dense and darkness fell at 2030. The lonely voice call was interrupted after 4 minutes by a very angry female NSO. She called with intensity for 5 minutes. After 5 minutes the male arrived and called for 5 minutes. He came down to check me out from 40 feet up in a tanoak. I put my flashlight on him. He soon left the scene and chewed me out from high in the canopy and out of sight. After 5 minutes he apparently concluded that this was the same knucklehead who had disturbed his hunting before and he skipped out to leave the female to fend for herself. The female kept up a loud and persistent squawking for 15 minutes more (to 2055). Jim tried to determine nesting status by use of the locational whistle. The female calls reached a crescendo as she finally began to add the locational whistle at the end of her squawk. Finally the calls reached a fever pitch with the whistle at the end and suddenly she slipped off into the cool night to join her mate in search of rodents. No responding whistle from young could be heard from a different location. The contrasting quiet was dramatic. The trip down Ward Creek to the exit point was harrowing and difficult to find. It was a minor miracle that Jim was not injured in the dark in search of the Northern Spotted Owl.

September 8, 2008

Ref.: NSO Database

Katrina Valerio

Wildlife Specialist

NSO Database

Biogeographical Data Branch

1807 13th Street, Suite 202

Sacramento, CA 95814

Dear Ms. Valerio:

As the NSO calling season has ended and I was entering this data into the NSO file, it occurred to me that you may like to have this field data for plans we are actively working on behalf of RPF, Loren Berry. Notice that they are mostly works in progress. I do not know how you obtain your data currently but would like you to know that we are observing and documenting as much wildlife data as we can here in Western Sonoma County . Because Calfire does not manage the database, I thought there may be a disconnect between you and field data. NSO 0102 SON is still actively defending their activity center. I am happy to say that my 14 year old daughter, Kaity, continues to help me call and observe 102 and others. We especially enjoy the personal interactions between us and them. They seem to respond even when our calls are not perfect. The female has at least two calls not on the calling tapes, especially when she is furious about trespassers. As females, my wife and daughter seem to have the “right stuff”. NSO’s continued to appear and disappear this year. We observe and note the other 4 mostly forest owls along with NSO. In general, we are observing more NSO’s as we survey areas not surveyed before. Occasionally we do not find them where we think there is great habitat and sometimes find them where the habitat seems poor. Thanks for your acknowledgments of our efforts.

In search of Northern Spotted Owls Since 1989,

Jim Berry

September 2, 2009

Valerio, Katrina

Wildlife Specialist, NSO Database,

Biogeographical Data Branch,

1807 13th Street, Suite 202,

Sacramento, CA 95814

Dear Ms. Valerio:

The following 21 logs summarize my NSO calling in Western Sonoma County for 2009. I cannot recall if I have sent my calls for 2006, 2007 and 2008. Please let me know what years I have sent. I do not know if you have alternate access to this information. Let me know if you do not require my data.. I have been calling NSO since 1989 and was trained by Ted Wooster. I had many exciting adventures with Ted expanding biological frontiers. I have enjoyed my association with Ken Hoffman of U.S. Fish and Wildlife but he will soon be retired and I will miss his expertise. My associate, Mike Allred, will have data for 2009 (or recent years) available soon. This data will be from Sheephouse Creek and Jenner Gulch near the mouth of the Russian River. Do you ever get to call NSO's yourself?

One interesting experience in 2009 was the discovery of a Barred owl in a NSO territory. The male was calling me as I was getting out of the pickup in March. Who cooks for you! Who cooks for you! Another highlight was being courted at my house by a young female NSO for a full hour. Instead of being jealous, my wife felt sorry for her when I went to bed while the female NSO was calling! What could I do! This could be offspring of NSO 0102 SON which my daughter, Kaity, helped me document. Kaity called with me a number of times this year. We both used our own voices exclusively this year for all calls. Kaity said the ancient cassette tapes were bad and said we could do better with our own voices. Several areas which seem to have great habitat continue to have no NSO's and other areas which have poor habitat (by the book) continue to maintain activity centers.

In Search of the Northern Spotted Owl Since 1989,

James M. Berry

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|----------|-------------------|------------|-------------|----------------|
| SON 0102 | Little Oat (Ward) | 38.5439099 | 123.1108154 | 27 August 2012 |
|----------|-------------------|------------|-------------|----------------|

This could also be NSO0104 from Elim Gulch.

| | | | | |
|----------|------|------------|-------------|------------------------|
| SON 0104 | Elim | 38.0205049 | 123.0906831 | 20 May 2013 (JMB &PT)) |
|----------|------|------------|-------------|------------------------|

0535, January 23, 2009 (dark and cloudy on 17730 Bei Road

While giving our Australian Shepherd dogs their morning walk on 17730 Bei Road, I heard a male Northern Spotted Owl call about 300 feet northwest and I responded with a similar call. After a minute or two he responded and we called several more rounds. During this time a distant NSO male called once from the direction of Wagon Tree Ranch. I assume this is the limit of the hunting territory for male NSO 0102 from Little Oat Creek, a small creek running into Ward Creek. He probably recognized me after years of conversations with Kaity and I. A few weeks later (after turning in for the night) Joyce and I heard a male call from the same location. I then returned the call and then he stopped abruptly. A female Northern Spotted owl called immediately after that for an hour after I had responded out the west deck door. Was the male the Dad who had heard my male call previously and was trying to introduce us? Joyce felt sorry for this unrequited female.

| | | | | |
|----------|-------------------|------------|-------------|---------------------|
| SON 0101 | Seaview (Gualala) | 38.5896843 | 123.2948545 | Barred AC 2012 (MG) |
|----------|-------------------|------------|-------------|---------------------|

Northern Spotted Owl Adventures with Bud Baswell on Seaview Ridge 27 March 2010

By Jim Berry

| | | | | |
|--------|-------------|------------|-------------|-------------------------|
| BARRED | Timber Cove | 38.5552124 | 123.2653019 | 21 April 2012 (JMB &MG) |
|--------|-------------|------------|-------------|-------------------------|

March 27, 2010

In response to a recent conversation with the Northern Spotted Owl (NSO) expert for U.S. Fish and Wildlife in Arcata, I thought I should begin calling immediately. We now have to wait 10 days between calls and this makes fitting all the season calls for 2600 acres difficult. I have recently lost my friend and fellow NSO caller, Mike Allred, to a massive heart attack. Mike used to do about 1/2 the calling and now U.S. Fish and Wildlife is requiring twice as many calls. I decided that Chadwick on Seaview Ridge was a good place to call on a Friday night. I reasoned that with no rain for awhile the road would be passable to drive 2 miles off Seaview Road down to the end of Hathway 80. I have been "stuck" off road many times but never written then down while I could remember the details. Kaity asked me to recount this adventure

I took Aussie Bridget and my blue 1994 Toyota and traveled to the end and began to call my way every 1/4 mile toward Seaview Road. I had to stop about 10 times to cut the road open. The place was quiet as a mausoleum as usual and my NSO voice call was unpredictable. After my second call at Timber Cove Creek, I ascended the steeper road opposite the historic ruins of the Drew cabin just above the San Andreas Fault. Coming to an especially high and steep waterbar, I gunned the "four banger" engine and sailed up over the top and landed "thud" and "splash" in a pig wallow with my frame solidly on the top of the bar. I could only spin and dig myself in deeper. Luckily I had brought a bar and my best shovel. I freed the bars under the doors after much chopping of earth and roots. When I saw how imbedded the cross frame was I knew I could no longer fend for myself in the dark.

Bridget and I started our one mile+ trek to Seaview Ridge. I had tried my cell phone to call Joyce at the ridge top but I failed to get coverage on the coast side. I did not wish to bother the Barlows who live in the 1880's Chadwick house nearby. When I reached the top, I was very glad to hear Kaity's voice on the cell phone and explained that I was at the Chadwick gate and not at the truck. I heard a loud chortle in the background when Joyce heard I was stuck. I did not need another 4-wheel drive, I needed the Mercedes. I would deal with the helpless truck in the morning. It was 11:15 PM and I hoped to see the Mercedes by midnight. There was the usual coastal breeze and I was wet with sweat from hiking nonstop from the truck. I snuggled with Bridgie for awhile but I was still cold.. Not one other vehicle came along while Bridgie and I were waiting. Bridgie jumped and twitched at every whish of wind or rustle of leaves. We were both very glad to see the car and I had definitely had "a meeting of the minds" about our location. I finally rolled into the sack at 1:30.

The next morning dawned bright and clear. I called an old personal and family friend, Bud Baswell, and asked hin if he had any important commitment for the day

and he said no and he said he would be ready after 11. I packed the red Toyota with chains, choker, big pulley, big bumper jack, long 3/4 inch cable, blocks, come-along, shovels etc. Bud added another come-along from his stash. I could tell Bud was looking forward to an adventure. Bud is a U.S. Army veteran survivor of "Hamburger Hill" and been through many Cazadero off road adventures especially in his unusual yellow 1964 Chevy 4-wheel drive. Luckily neither Toyota picked today to over heat. Bud and I took a stroll to the end of the Hathway and I showed him the Redwood stump chimney and the sag ponds.

I had to turn the red Toyota around far up hill and back down over those insane waterbars in case we had to pull the blue Toyota with cable and pulley. Bud and I conferred for awhile and finally decided to use a combination of come-along and high bumper jack. We also filled the hog wallow with branches and blocks I had brought. We tied the come-along to a fir tree behind the blue Toyota and lifted with the jack in the front. After two lifts we decided to give it a try. Before I could try Bud had to move the red Toyota from in front but it was too slippery from greasy clay. He tried to move it in first gear. I finally jumped in and backed down next to the blue Toyota above the waterbar and gave the red Toy all the throttle she had in second gear and made it to the next waterbar where I "greased out" again. One more try and I made it. We walked up the hill two waterbars to a juicy road section from a spring. After draining the spring and overhauling the bar we decided to try both trucks and I drove them both over the top.

While here Bud told a story about Bill Johnson. Bud and Jerry Parmeter would go up and cut firewood for Bill when Bud was about 12. Bill was a true "high ball" logger and worked tough 12 hour days "cat skinning". While eating lunch with Bill one day, Bud wondered why Bill let out a yell and went into shocked silence. Bud asked what was wrong and Bill showed him that he had no lunch in his pail. Instead, inside was two cans of beer and his wife, Frieda's, panties. Bill closed his lunch and was not seen again that day. When duty calls.....

Bud told another story about a black friend from Georgia who was one of the three survivors of his 42 man platoon at "Hamburger Hill". His friend always "protected his back" in battle. He liked to joke around with his friend who was good natured. His friend told him he was an ambulance driver in Georgia until he got fired. Bud asked him why. One day there was a large wreck with many dead.. There were so many dead he was asked to carry a dead man back to the mortuary. As he was driving along he looked in the rear view mirror to see the man sit up from rigor mortise except he thought he was alive and he ran into a telephone pole and "killed him twice". (said hysterically)

Bud led the way up the hill over the next two bars and disappeared around the corner. I spun out on the next bar and proceeded to back up and make another try

| | | | | |
|----------|------|------------|-------------|------------------------|
| SON 0104 | Elim | 38.0205049 | 123.0906831 | 20 May 2013 (JMB &PT)) |
|----------|------|------------|-------------|------------------------|

28 APRIL 2011 Elim Gulch NSO SON0104

Male called from about 500' south with typical male call. When Jim arrived near him he kept moving higher

in the DF nearby. After a few minutes he switched to fledgling locational call with some male calls. He used 3 note calls twice in succession. Female did locational calls and many call variations. The male and female were high in 36" DF 40 feet above me and on each side of me. They continued calling as I left. Used the Mighty Atom 15 digital caller for 25 minutes. They were not bothered by Steve Parmeter's dog barking. Heard more locational calls than ever but no sign of fledgling.

| | | | | |
|----------|-------------------|------------|-------------|----------------|
| SON 0102 | Little Oat (Ward) | 38.5439099 | 123.1108154 | 27 August 2012 |
|----------|-------------------|------------|-------------|----------------|

NSO REPORT-19 AUGUST 2011- A MALE NSO CALLED FROM GOLD MINE AREA AND WAS HEARD BY JOYCE BERRY AND THEN JIM BERRY. JIM CALLED SEVERAL TIMES WITH NSO RESPONSE. JIM THEN WENT UP BEI-BERRY RANCH ROAD THROUGH RACE TRACK TO LONE PINE-MOHRHARDT VIEW AND CALLED WITH NO RESPONSE AT 2145. JIM NEXT CALLED AT LONE PINE POND TOWARD GOLD MINE. FEMALE NSO CALLED FROM RIDGE AND THEN NEXT TO LONE PINE POND. THE MALE SOON JOINED HER. AFTER NO RESPONSE BY JIM, THEY HEADED BACK TOWARD WARD CREEK ACTIVITY CENTER. THE MALE WENT QUIET AND LET FEMALE GO BACK TOWARD WARD CREEK. AUGUST 2, 2011-MALE NSO CALLED FROM GOLD MINE AT 2300. JARED, JOYCE AND JIM CALLED FOR ABOUT ONE HOUR AND MALE CALLED 3 AND 4 NOTE CALLS FREQUENTLY FOR ENTIRE TIME.

| | | | | |
|--------|------|------------|-------------|---------------------|
| BARRED | Coon | 38.5228836 | 123.0571806 | 30 April 2013 (JMB) |
|--------|------|------------|-------------|---------------------|

Coon Gulch is a Class II branch of East Austin Creek and has some older Douglas Fir and a strip of redwood along East Austin There has not ever been an NSO territory here in 20+ years of calling. This aggressive pair showed up in 2008 and has been there ever since. We have sighted and heard this pair a number of times and they are always aggressive. They both attacked the game caller at the bottom of Coon Gulch after

remaining quiet for an extended period and then made many loud, aggressive noises for as long as Jim stayed. The Barred pair was again confirmed 30 April 2013.

Beginning of Timber Harvest Plan- NSO Data for 1990 to 2013

Gardner THP 1-90-543 SON-Wooster Technical Assistance 4 August 1990

No Call data (except Wooster TA report) or maps found to date but biologist, Lynn Stafford, lead the NSO calls (at proposed Gardner THP) on 15 and 22 April, 1989 and Wooster on 14 August 1990.

Original required by Ted Wooster

8/7/90
THP # 1-90-54350W
CC: DF 8/10/90
Received CDF REGION I RKT

California Department of Fish and Game

Spotted Owl Plan Review Checklist/Worksheet

AUG 07 1990

A. Spotted Owl Plan Name (if any) Gardner Property RESOURCE MANAGEMENT

Plan Submitter Jim Berry Watershed and Tributaries Jorive

Township 6N Range 10W Section 1 County Sonoma

Date Received 6N 7N R9W R10W 6 36 acres 125
Subculture moderate scale

Date of Document Review 8/4/90 Lynn Stafford Lynn Stafford

Dates of Field Inspection 8/4/90 4/15/89 4/22/89

Review team members, Name and Organization Theodore Wooster C.F.G., Jim Berry, R.P.F.

A1. Document Review:

| Check whether the plan content was: | Adequate? | *Inadequate? |
|--|--|--------------------------|
| a. Map of Habitat Types | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Map Readability | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Map Content for Key Components (potential or actual nesting, feeding, roosting) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Map and Plan Content for Proposed Operations (haul, cable, tractor roads and landings, project scheduling, site preparation, preproject descriptions) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Description of Probable Project Results (stems per acre, stem size and age, canopy closure, understory, ground disturbance, species composition) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Data Base Information (e.g., USFS, CDF, BLM, <u>Private</u>) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Calling Response Results and Dates | <u>8/4/90</u> | <u>0934 To 1100 WR</u> |
| h. Known Owl Nest Sites and Roost Areas (on & off site within one mile of plan perimeter) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| i. Aerial Photos | <u>None. Walked plan area + reviewed adjacent roads.</u> | |

* Describe Briefly On Page Back Why Inadequate

A2. Field Review:

| | <u>Yes/Date</u> | <u>No</u> |
|---|--|-------------------------------------|
| a. Was the review route adequate? | <input checked="" type="checkbox"/> 8/4/90 | <input type="checkbox"/> |
| b. Were owls detected? (if appropriate, fill in spotted owl information forms) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Maps accurate? (If no describe on back page, note changes on map) | <input type="checkbox"/> | <input type="checkbox"/> |

B. Project Evaluation

| | <u>* Yes</u> | <u>No</u> | <u>N/A</u> | <u>Unknown</u> |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|
| a. Will timber operation significantly interfere or change: | | | | |
| 1. Local movement (on site and within 1/2 mile) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Dispersal opportunities (within 1 mile of known owls) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Prey base (within 1/2 mile of known owls) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Foraging habitat on or off site | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Roosting structure (on site) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Roosting behavior (on site) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Nesting structure (on site) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Nesting behavior (on site) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Microclimate (on site, short or long term) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Other (e.g., predation, exposure to storms) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

* Describe Change On Page Back

b. Is this a spotted owl area plan which may result in more than one THP, and is a map attached which adequately describes each proposed THP area? no

B1. I ~~have~~ reviewed the proposed timber operations and spotted owl information and
* ~~have/have not~~ completed a site specific review. The information provided and my
observations * lead me to conclude that/cannot determine if the proposed operations
* ~~will~~ will not likely result in take to the Northern Spotted Owl as described in the
Federal Endangered Species Act and the Forest Practice Rules.

Name of Reviewer Theodore Webster

Signature Theodore Webster
8/4/90

* Cross out inappropriate decision and initial above appropriate choice.

Copies to:

RDF

CDF

DFG HQ Coordinator

This plan has a wildlife addendum which includes
site visits by Lynn Stafford, who is an owl expert. Great
horned owls were found on the west side of the plan area.
Also Lynn Stafford now works for the Dept of Fish & Game on
the LP-GP-CF&G cooperative SO study. Stand is basically a
"A" and/or high "B" type. moderate selection will result
in same typing but more vigorous growing stand.
maybe used by floaters & a pair in future if better
double/triple canopy forms.



Pedroia

THP Number _____ Plan Name Pedroia
County Sonoma Drainage Salmon Creek
Acres 25 Acres of each silviculture All Selection

CF&G NSO Database # _____ Other # _____
NSO history: The N.S.O. investigated was 1/4 mile west by Wooster-Berry in Natural Diversity Data Base # 18043.

Conditions to insure no take: Plenty of remaining potential nest trees and likely improvement of forage due to increased rodent population following harvest.

Logging history including site preparation: No harvest since about 1900 and there has been no site prep. A T.H.P. # 1-91-098 SON just west was a selective harvest around N.S.O. territory # _____ and a report from Wooster dated June 9, 1992 is enclosed.

Other comments: Pygmy and Sawwhet noted in area along field - former orchard

Figure or other document attached? yes no

Forester Jim Berry N.S.O. Survey forms

THP 1-91-098 SON

DEPARTMENT OF FISH AND GAME

POST OFFICE BOX 47
YOUNTVILLE, CALIFORNIA 94599
707) 944-5500



June 9, 1992

Mr. Jim Berry
Post Office Box 90
Cazadero, California 95421

Dear Mr. Berry:

On May 18, 1992 I re-examined the Vince Pedroia property to determine what effects the selection harvest on THP 1-91-098 SON in 1991 might have had on wildlife associated with the plan area.

As you recall, we reserved a 250-foot radius of forest around an active spotted owl's nest.

At 1525 hour, I relocated the pair of owls. They were roosting in a 10-inch dbh pepperwood tree 20 feet outside the edge of the set-aside area and adjacent to where two 16-inch diameter tan oaks had been cut and are now providing woody material on the ground and escape cover for fawns. As I approached the roost tree, two spotted fawns jumped up from the slash area where they had bedded down. I later saw the doe 300 feet downslope and near the grassy/brushy area.

The ryegrass you planted on the bare areas, including the roads, has totally covered the areas, and no measurable movement of soils was noted.

The new green foliage on the trees and scrubs is already filling in some of the canopy that was removed. I would estimate that in another five years, the majority of the canopy removed will be present again.

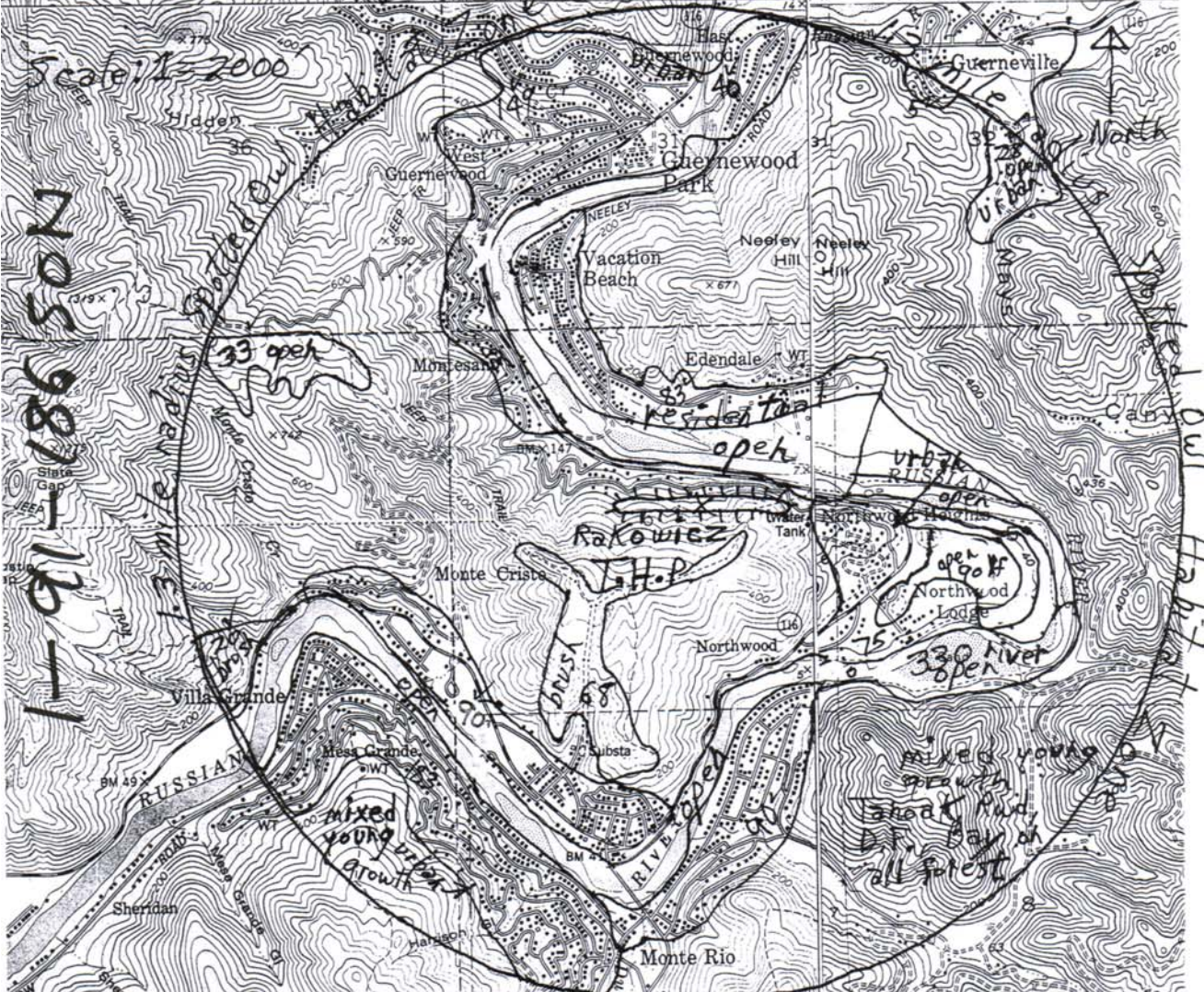
In summary, the "after plan" conditions are excellent for a variety of wildlife including the spotted owls. I appreciate the efforts that you and the landowner, Mr. Pedroia, have taken to conserve the wildlife, forest, and soil resources of this parcel.

Sincerely,

Theodore Wooster
Environmental Specialist IV
Region 3

RAKOWICZ TIMBER HARVEST PLAN #3A

| | | |
|---|----------------|--------------|
| Guernewood residential Areas | 305 ac | = 9.09% |
| Monte Rio residential Areas | 363 ac | 10.7% |
| Russian River open areas | 320 ac | 9.7% |
| Brush areas or open | 121 ac | 3.6% |
| Potential foraging, roosting, resting habitat | 229 ac | 6.9% |
| Total | 1229 ac | 6.09% |



A majority of urban areas are heavily forested with mixed young growth forest. Most people choose to live in deep shade around homes. Approximately 40% of the board foot volume will remain following harvest. Because red clumps will only be thinned, the canopy will not be thinned very dramatically. Some small hardwoods will be knocked down. A few will be

H.A.G.
M.B.

THP # 1-91-186 501
 Alternative Used # _____
 Assignment # _____

Received CDF
 REGION I

California Department of Fish and Game
Spotted Owl Plan Review Checklist/Worksheet

APR 03 1991

A. Spotted Owl Plan Name (if any) Ratzowicz
 Plan Submitter: Jim Berry for Ratzowicz
 Watershed/Tributaries Russian River
 Township 7 N. Range 10 W Section 6 County Sonoma
 Operation Acres 30 Silvicultural Method (acres) selection

RESOURCE MANAGEMENT

Dates:

Received by DFG 2/11/91 Received by Designated Biologist _____

RPF Notified 2/11/91

Plan Reviews 2/11/91 Field Inspections 2/11/91

Field Review Participants (name/organization) Theodore Wooster CFIG
+ Jim Berry, RPF.

A1. Document Review ^{yes, more}
 (Check adequacy of plan content) (Briefly describe adequacy or relevance)

- a. Map of Habitat Types Yes
- b. Map Readability/Clarity Yes
- c. Map and Plan Content for Proposed Operations (haul, cable, tractor roads and landings, project scheduling, site preparation, preproject descriptions) Yes

d. Description of Probable Project Results (stems/acre, stem size and age, canopy closure, understory, ground disturbance, species composition) ± 20,000 bd ft/acre per
> 10,000 bd ft/acre post

Received CDF
 REGION I

MAR 22 1991

RESOURCE MANAGEMENT

e. Map and Plan Content for Key Components (potential or actual nesting, roosting, feeding)

Received CDF
 REGION I

| | nesting | roosting | feeding | Received CDF REGION I |
|-----------------------|-----------|-----------|-----------|--------------------------|
| 1. Pre-harvest acres | <u>30</u> | <u>30</u> | <u>30</u> | JUN 05 1991 |
| 2. Post-Harvest acres | <u>30</u> | <u>30</u> | <u>30</u> | RESOURCE MANAGEMENT |

02001

↓ Poor SO habitat because of high location on mountain side + no deeply incised canyon. Written

Plan Name Rakowicz THP # 1-91-186 50A
 Alternative Used # _____
 Assignment # _____

- f. Database Information
 1. CDF printout ()yes ()no
 2. Other materials CF+G
- g. Mapped Known Owl Nest Sites and Roost Areas
 (on & off site within 1.3 miles of plan perimeter)
yes 2/11/91 1818-1915 TW-NR
- h. Calling Response Results/Dates
 (attach list and location map) _____
- i. Aerial Photos 1979 Soil Conservation Photos

Received CDF
 REGION I

A2. Field Review

Is a field review requested/necessary? ()yes ()no
 (if no, explain) _____

APR 03 1991

RESOURCE MANAGEMENT

- a. Was the review route adequate? ()yes ()no
 Date of field review 2/11/91
- b. Were owls detected? ()yes ()no
 (attach owl occurrence sighting reports)
- c. Maps accurate? ()yes ()no
 (if no, attach map/describe and note changes on map)

B. Project Evaluation/Significant Observations Yes No N/A Unknown
 (if yes, describe in comments section B(c))

| | | | | |
|--|-----|-------------------------------------|-----|-----|
| a. Will timber operations significantly disrupt or impair: | | | | |
| 1. Local movement (on site & within 1/2 mile) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 2. Dispersal opportunities (within 1 mile of known owls) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 3. Prey base (within 1/2 mile of known owls) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 4. Foraging habitat | --- | <input checked="" type="checkbox"/> | --- | --- |
| 5. Roosting structure | --- | <input checked="" type="checkbox"/> | --- | --- |
| 6. Roosting behavior | --- | <input checked="" type="checkbox"/> | --- | --- |
| 7. Nesting structure | --- | <input checked="" type="checkbox"/> | --- | --- |
| 8. Nesting behavior | --- | <input checked="" type="checkbox"/> | --- | --- |
| 9. Microclimate (on site, short or long term) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 10. Other (ie, predation, storm exposure, etc.) | --- | <input checked="" type="checkbox"/> | --- | --- |

b. Is this a Spotted Owl area plan review for more than one THP? ()yes ()no
 (If yes, is a map attached which adequately describes each proposed THP area? ()yes ()no).

Plan Name Rakowicz THP # 1-91-18650A
 Alternative Used #
 Assignment #

c. Comments (explanation of project evaluation responses) Don't expect SOA on this parcel other than foraging. To insure "no take" however this plan is subject to the requirements in the November 28, 1990 letter from Stacy to Ray Utterback.
 Check here if additional pages are attached (number of pages)

B1. I have reviewed the proposed timber operations and Spotted Owl information and
 * ~~have/have not~~ ^W completed a site specific review. The information provided is
 * ~~sufficient/not sufficient~~ ^W for me to complete my evaluation. The information provided and my observations * ~~lead me to conclude that/are insufficient to determine if~~ ^{me} the proposed operations * ~~will/will not~~ ^W likely result in "take" of the Northern Spotted Owl as described in the Federal Endangered Species Act and the Forest Practice Rules.

(* cross out inappropriate recommendation language and initial above appropriate recommendation language.)

B2. This checklist/worksheet applies to a plan or proposal that doesn't need to be changed to avoid a "take".
 This checklist/worksheet applies to a plan or proposal that requires changes to avoid a "take". Required changes are described in the comments section and any attached pages.

Received CDF
 REGION I
 APR 03 1991

Reviewer Theodore W. Wanta
 (Designated Biologist)
 Signature Theodore W. Wanta
 Date Completed 3/11/91

Copies to: **RESOURCE MANAGEMENT**

- RPF
- CDF (referral office)
- CDF (Regional Office)
- DFG (HQ Coordinator) **ORIGINAL**
- DFG (Office of Origin)
- DFG (Region Office Coordinator)

Received CDF
 REGION I

JUN 05 1991

RESOURCE MANAGEMENT

Received CDF
 REGION I

MAR 22 1991

RESOURCE MANAGEMENT



THP # 1-91-37950N

Alternative Used # _____

Assignment # _____

California Department of Fish and Game
Spotted Owl Plan Review Checklist/Worksheet

A. Spotted Owl Plan Name (if any) Bei Ranch
Plan submitter Jim Barry RPF
Watershed/Tributaries Austin Creek system
Township 8N Range 11W Section 19 + 20 County Trumbull
Operation Acres 215 Silvicultural Method (acres) Selection

Dates:

Received by DFG 10/21/91 Received by Designated Biologist _____

RPF Notified _____

Plan Reviews 10/21/91 11/3/91 Field Inspections 10/31/91

Field Review Participants (name/organization) Theodore W Worsten CFWG
+ Jim Barry RPF

A1. Document Review Yes
(Check adequacy of plan content) (Briefly describe adequacy or relevance)

a. Map of Habitat Types Yes

b. Map Readability/Clarity Yes

c. Map and Plan Content for Proposed Operations (haul, cable, tractor roads and landings, project scheduling, site preparation, preproject descriptions) Yes

d. Description of Probable Project Results (stems/acre, stem size and age, canopy closure, understory, ground disturbance, species composition) Yes

e. Map and Plan Content for Key Components (potential or actual nesting, roosting, feeding)

| | nesting | roosting | feeding |
|-----------------------|---------|----------|------------|
| 1. Pre-harvest acres | _____ | _____ | <u>215</u> |
| 2. Post-Harvest acres | _____ | _____ | <u>215</u> |

Plan Name

Bee Ranch

THP #

Alternative Used #

Assignment #

f. Database Information

- 1. CDF printout ()yes ()no
- 2. Other materials _____

g. Mapped Known Owl Nest Sites and Roost Areas (on & off site within 1.3 miles of plan perimeter)

yes

h. Calling Response Results/Dates (attach list and location map)

5/11/91 JB-NR 10/31/91 1736-1760

5/21/91 JB-NR TW-NR

4/5/91 JB-NR

i. Aerial Photos

none

5/13/91 JB-NR

5/28/91 JB-NR

7/15/91 JB-NR

A2. Field Review

Is a field review requested/necessary? ()yes ()no (if no, explain) _____

a. Was the review route adequate? ()yes ()no Date of field review 10/21/91

b. Were owls detected? ()yes ()no (attach owl occurrence sighting reports)

c. Maps accurate? ()yes ()no (if no, attach map/describe and note changes on map)

B. Project Evaluation/Significant Observations (if yes, describe in comments section B(c))

Yes No N/A Unknown

a. Will timber operations significantly disrupt or impair:

| | | | | |
|--|-----|-------------------------------------|-----|-----|
| 1. Local movement (on site & within 1/2 mile) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 2. Dispersal opportunities (within 1 mile of known owls) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 3. Prey base (within 1/2 mile of known owls) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 4. Foraging habitat | --- | <input checked="" type="checkbox"/> | --- | --- |
| 5. Roosting structure | --- | <input checked="" type="checkbox"/> | --- | --- |
| 6. Roosting behavior | --- | <input checked="" type="checkbox"/> | --- | --- |
| 7. Nesting structure | --- | <input checked="" type="checkbox"/> | --- | --- |
| 8. Nesting behavior | --- | <input checked="" type="checkbox"/> | --- | --- |
| 9. Microclimate (on site, short or long term) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 10. Other (ie, predation, storm exposure, etc.) | --- | <input checked="" type="checkbox"/> | --- | --- |

b. Is this a Spotted Owl area plan review for more than one THP? ()yes ()no (If yes, is a map attached which adequately describes each proposed THP area? ()yes ()no).

End of Bei TH

To: Bai Road THP, THP 1-91-37950W

From: Theodore Wooten, ES II, Chief Dept of Fish & Game

Subject: Amendment of THP to add area A + area B to
the plan.

I have reviewed the proposed amendment to THP 1-91-37
50W and find that the addition does not change
my "no take" determination of November 3, 1991.

Theodore W Wooten

Environmental Specialist IV

April 14, 1993

End of Bei THP#1-91-379 SON and beginning of Davis THP#1-92-099 SON Northern Spotted Owl Field Survey For DAVIS 1991 CALLS 1,2,3

LANDOWNER **DAVIS** THP#1-92-099 SON DFG TERRITORY NO. SON0010 OBSERVERS Jim Berry CALL # 1

GENERAL LOCATION North Fork of Kidd Creek Quad Name: Cazadero (7.5 Min & NAD 27) T8N, R11W S 29,30

DATE @ START 19 November 1991 START TIME (2400 clock): 1940 END TIME: 2322 TOTAL TIME: 202

HABITAT: **Redwood - Douglas Fir, Tanoak, California Laurel, WHR 5d**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no 45-52 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2217 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE |
| 2030 | STATION B KIDD SEE MAP | P | N/A | NO NSO RESPONSE |
| 2312 | STATION C SEE MAP | P | | NO NSO RESPONSE |
| 2130 | STATION D SEE MAP | P | | NO NSO RESPONSE |
| 2030 | STATION E SEE MAP | P | | NO NSO RESPONSE |
| 1940 | STATION G SEE MAP | P | | NO NSO RESPONSE |

DATE @ START 5 December 1991 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 1845 END TIME: 2040 TOTAL TIME: 55

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no temp.range.47-53 F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 1845 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE |
| 2030 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 1920 | STATION C SEE MAP | P | | NO NSO RESPONSE |
| 1900 | STATION D SEE MAP | P | | NO NSO RESPONSE |
| 2030 | STATION E SEE MAP | P | | NO NSO RESPONSE |
| | STATION G SEE MAP | P | | NO NSO RESPONSE |

DATE @ START 19 December 1991 CALL # 3 OBSERVERS Jim Berry

START TIME (2400 clock): 1925 END TIME: 2010 TOTAL TIME: 35

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze temp. range 45 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 1925 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE |
| 2000 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| | STATION C SEE MAP | P | | NO NSO RESPONSE |
| | STATION D SEE MAP | P | | NO NSO RESPONSE |
| | STATION E SEE MAP | P | | NO NSO RESPONSE |
| | STATION G SEE MAP | P | | NO NSO RESPONSE |

Northern Spotted Owl Field Survey For DAVIS 1992 CALLS 4,5,6

LANDOWNER **DAVIS** **THP#1-92-099** SON DFG TERRITORY NO. SON0010 CALL # 4 OBSERVERS Jim Berry

GENERAL LOCATION **North Fork of Kidd Creek** Quad Name: Cazadero (7.5 Min. & NAD 27) **S 29,30 T8N, R11W**

DATE @ START 17 March 1992 START TIME (2400 clock): 1915 END TIME: 2025 TOTAL TIME: 70

HABITAT: Redwood - Douglas Fir, Tanoak, California Laurel,, WHR 5d

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no 42-52 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| N/A | STATION A SEE MAP | P | N/A | NO NSO RESPONSE |
| 1945 | STATION B KIDD SEE MAP | P | N/A | NO NSO RESPONSE |
| 1930 | STATION C SEE MAP | P | | NO NSO RESPONSE |
| 1900 | STATION D SEE MAP | P | | NO NSO RESPONSE |
| 2015 | STATION E SEE MAP | P | | NO NSO RESPONSE |
| 1915 | STATION G SEE MAP | P | | NO NSO RESPONSE |

DATE @ START 1 April 1992 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 2020 END TIME: 2120 TOTAL TIME: 60

WEATHER (In yellow): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow) calm **breeze** no temp.51 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-------------------------|---|--|--|--|
| 2020 Through 2120 | CONTINUOUS CALL THROUGH ALL STATIONS | | N/A N/A | NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE |

DATE @ START 7 April 1992 CALL # 6 OBSERVERS Jim Berry

START TIME (2400 clock): 2030 END TIME: 2130 TOTAL TIME: 60

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm **breeze** temp. range 45 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-------------------------|---|--|--|--|
| 2030 Through 2130 | CONTINUOUS CALL THROUGH ALL STATIONS | | N/A N/A | NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE |

THP # 1-92-09950N
Alternative Used #
Assignment #

California Department of Fish and Game
Spotted Owl Plan Review Checklist/Worksheet

A. Spotted Owl Plan Name (if any) Dave THP
Plan Submitter Jim Berry, Forester
Watershed/Tributaries Kidd Creek Trib to Austin Creek
Township 8N Range 11W Section 29+30 County Sonoma

Operation Acres 170 Silvicultural Method (acres) selection

Dates:
Received by DFG 4/18/92 Received by Designated Biologist
RPF Notified
Plan Reviews 4/18/92 Field Inspections 4/18/92
Field Review Participants (name/organization) Theodore Womler CFG
+ Jim Berry Forester

A1. Document Review
(Check adequacy of plan content) (Briefly describe adequacy or relevance)

- a. Map of Habitat Types yes
- b. Map Readability/Clarity yes
- c. Map and Plan Content for Proposed Operations (haul, cable, tractor roads and landings, project scheduling, site preparation, preproject descriptions) yes
- d. Description of Probable Project Results (stems/acre, stem size and age, canopy closure, understory, ground disturbance, species composition) yes

e. Map and Plan Content for Key Components (potential or actual nesting, roosting, feeding)

| | nesting | roosting | feeding |
|-----------------------|-------------|-------------|------------|
| 1. Pre-harvest acres | <u> </u> | <u> </u> | <u>170</u> |
| 2. Post-Harvest acres | <u> </u> | <u> </u> | <u>170</u> |

Plan Name Swire THP

THP # 1-92-099 SON

Alternative Used # _____

Assignment # _____

f. Database Information

1. CDF printout ()yes ()no

2. Other materials Written calling files

g. Mapped Known Owl Nest Sites and Roost Areas
(on & off site within 1.3 miles of plan perimeter)
Xadd Creek Bend MD

h. Calling Response Results/Dates
(attach list and location map)

12/19/91 JB-NR 4/18/92 TW-NR

11/19/91 JB-NR

12/5/91 JB-NR

i. Aerial Photos

3/17/92 JB-NR

A2. Field Review

4/1/92 JB-NR

4/7/92 JB-NR

Is a field review requested/necessary? ()yes ()no
(if no, explain) _____

a. Was the review route adequate? ()yes ()no
Date of field review 4/18/92

b. Were owls detected? ()yes ()no
(attach owl occurrence sighting reports)

c. Maps accurate? ()yes ()no
(if no, attach map/describe and note changes on map)

B. Project Evaluation/Significant Observations
(if yes, describe in comments section B(c))

Yes No N/A Unknown

a. Will timber operations significantly disrupt or impair:

| | | | | |
|--|-----|-------------------------------------|-----|-----|
| 1. Local movement (on site & within 1/2 mile) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 2. Dispersal opportunities (within 1 mile of known owls) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 3. Prey base (within 1/2 mile of known owls) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 4. Foraging habitat | --- | <input checked="" type="checkbox"/> | --- | --- |
| 5. Roosting structure | --- | <input checked="" type="checkbox"/> | --- | --- |
| 6. Roosting behavior | --- | <input checked="" type="checkbox"/> | --- | --- |
| 7. Nesting structure | --- | <input checked="" type="checkbox"/> | --- | --- |
| 8. Nesting behavior | --- | <input checked="" type="checkbox"/> | --- | --- |
| 9. Microclimate (on site, short or long term) | --- | <input checked="" type="checkbox"/> | --- | --- |
| 10. Other (ie, predation, storm exposure, etc.) | --- | <input checked="" type="checkbox"/> | --- | --- |

b. Is this a Spotted Owl area plan review for more than one THP? ()yes ()no
(If yes, is a map attached which adequately describes each proposed THP area? ()yes ()no).

Plan Name Avire THP

THP # 1-92-09950N
Alternative Used # _____
Assignment # _____

c. Comments (explanation of project evaluation responses) _____

() Check here if additional pages are attached (number of pages _____)

B1. I have reviewed the proposed timber operations and Spotted Owl information and
* ~~have/have not~~ ^{hw} completed a site specific review. The information provided is
* ~~sufficient/not~~ ^{hw} sufficient for me to complete my evaluation. The information
provided and my observations * ~~lead me to conclude that/are insufficient to~~ ^{hw}
~~determine if~~ the proposed operations * ~~will/will not~~ ^{hw} likely result in "take"
of the Northern Spotted Owl as described in the Federal Endangered Species Act
and the Forest Practice Rules.

(* cross out inappropriate recommendation language and initial above
appropriate recommendation language.)

B2. () This checklist/worksheet applies to a plan or proposal that doesn't need to
be changed to avoid a "take".
() This checklist/worksheet applies to a plan or proposal that requires changes
to avoid a "take". Required changes are described in the comments section
and any attached pages.

Reviewer Theodore W. Winters
(Designated Biologist)

Signature Theodore W. Winters

Date Completed 4/18/92

Copies to:

- () RPF
- () CDF (referral office)
- () CDF (Regional Office)
- () DFG (HO Coordinator) ****ORIGINAL****
- () DFG (Office of Origin)
- () DFG (Region Office Coordinator)

**End of Davis THP#1-92-099 SON and Beginning of THP#1-93-041 SON
NORTHERN SPOTTED OWL FIELD SURVEY-Starrett-Torr 1991-92 CALLS 1,2,3**

LANDOWNER **TORR THP#1-93-041 SON** DFG TERRITORY NO. SON 0031 CALL # 1 OBSERVERS Jim Berry

GENERAL LOCATION **one mile south of Monte Rio and west of Main St.** Quad Name: Camp Meeker (7.5 Min & NAD 27) **S 18 & 21, T7N, R10W**

DATE @ START 3 Dec 1991 START TIME (2400 clock): 1900 END TIME: 2210 TOTAL TIME: 190

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d

WEATHER (BOLD): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 40-45 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (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 | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| 2200 | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION D-North Rogina Canyon | P | N/A | NSO RESPONSE AFTER 2 1/2 MINUTES |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| | STATION G-Marie Canyon | P | N/A | NO NSO RESPONSE |
| | STATION H-Crawford Gulch | P | V | MALE NSO RESPONSE FOR 10 MINUTES |

DATE @ START 12 Dec 1991 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 2200 END TIME: 2242 TOTAL TIME: 102

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no temp.range. 69-77 degrees F

| | | | | |
|------|--------------------------------|---|-----|------------------|
| 1900 | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| 2100 | STATION D-North Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| | STATION G-Marie Canyon | | | NO NSO RESPONSE |
| 2200 | STATION H-Crawford Gulch | | | NO NSO RESPONSE |

DATE @ START 13 Jan 1992 CALL # 3 OBSERVERS Jim Berry and Ted Woster

START TIME (2400 clock): 1800 END TIME: 1951 TOTAL TIME: 111

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 69-80 F

| | | | | |
|--------------------|--------------------------------|---|-----|------------------|
| No time entered | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION D-North Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| | STATION G-Marie Canyon | | | NO NSO RESPONSE |
| | STATION H-Crawford Gulch | | | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY FOR Starrett-Torr 1992 CALLS 4, 5, 6

LANDOWNER **TORR** THP#1-93-041 SON OBSERVERS Jim Berry, Ted Wooster CALL # 4 DFG TERRITORY NO. SON 0031

GENERAL LOCATION **one mile south of Monte Rio and west of Main St.** Quad Name: Camp Meeker 7.5 Min Yes
S 18 & 21, T7N, R10W HABITAT: **Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d**

DATE @ START 18 April 1992 START TIME (2400 clock): 1900 END TIME: 2200 TOTAL TIME: 180

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 40-45 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 1900 | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| TO | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION D-North Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| 2200 | STATION G-Marie Canyon | P | | NO NSO RESPONSE |
| | STATION H-Crawford Gulch | P | V | NSO RESPONSE |

DATE @ START 12 Dec 1991 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 1900 END TIME: 2232 TOTAL TIME: 212

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no
temp.range. 69-77 degrees F

| | | | | |
|------|--------------------------------|---|-----|------------------|
| 1900 | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| TO | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION D-North Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| 2232 | STATION G-Marie Canyon | | | NO NSO RESPONSE |
| | STATION H-Crawford Gulch | | | NO NSO RESPONSE |

DATE @ START 23 October 1992 CALL # 6 OBSERVERS Jim Berry and Ted Woster

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 69-80 F

| | | | | |
|-----------|--------------------------|---|---|---|
| 11:00 AM | STATION H-Crawford Gulch | P | V | NSO RESPONSE- FOR 10 MINUTES IN SPITE OF CAT AND DOG NOISE |
| Follow-up | | | | |
| DAY CALL | | | | |

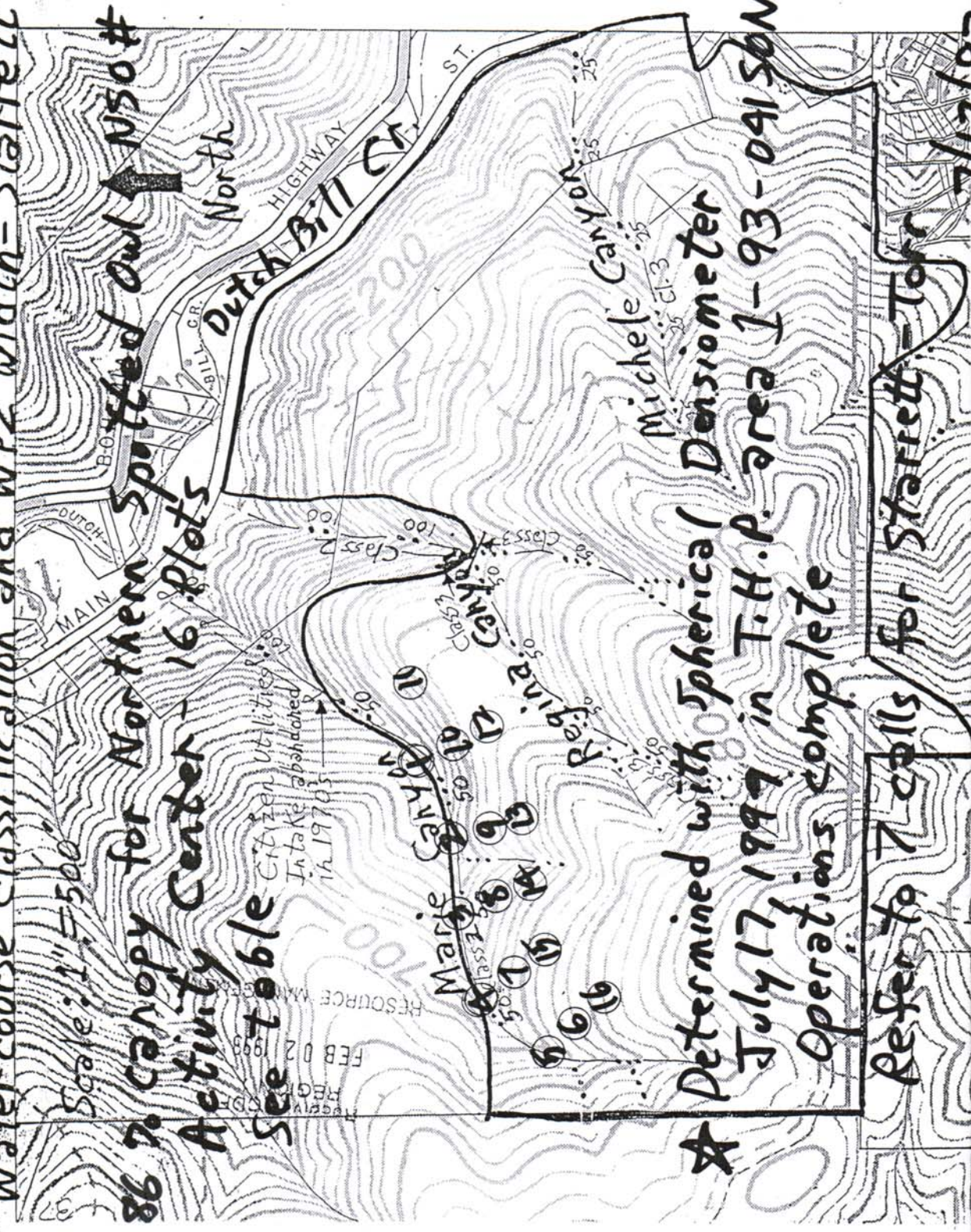
Water course classification and WPZ width - Stattett

Scale: 1" = 500'

86% Canopy for Northern Spotted Owl **NSO#**
Activity Center - 16 Plots

See Table

Citizen Utilities
Intake abandoned
in 1970s



★ Determined with Spherical Densiometer
July 17, 1999 in T.H.P. area 1-93-04150N
Operations complete

Refer to 7 cells for Stattett - Torr 7/17/99

Plan Name Spotted THP THP # _____
 102 170-EP-7 Alternative Used # _____
 Assignment # _____

- f. Database Information
 1. CDF printout ()yes ()no
 2. Other materials Wovetia files
- g. Mapped Known Owl Nest Sites and Roost Areas
 (on & off site within 1.3 miles of plan perimeter)
- h. Calling Response Results/Dates (attach list and location map) 1/13/92 TW-NR 1842-1922 NR
4/18/92 TW-8750 in Crawford thicket
1/4 mile to the south
- i. Aerial Photos _____

A2. Field Review

Is a field review requested/necessary? ()yes ()no
 (if no, explain) _____

- a. Was the review route adequate? ()yes ()no
 Date of field review 1/13/92 4/18/92
- b. Were owls detected? ()yes ()no to the south of plan area
 (attach owl occurrence sighting reports)
- c. Maps accurate? ()yes ()no
 (if no, attach map/describe and note changes on map)

B. Project Evaluation/Significant Observations (if yes, describe in comments section B(c))

| | Yes | No | N/A | Unknown |
|--|-----|-------------------------------------|-----|---------|
| a. Will timber operations significantly disrupt or impair: | | | | |
| 1. Local movement (on site & within 1/2 mile) | — | <input checked="" type="checkbox"/> | — | — |
| 2. Dispersal opportunities (within 1 mile of known owls) | — | <input checked="" type="checkbox"/> | — | — |
| 3. Prey base (within 1/2 mile of known owls) | — | <input checked="" type="checkbox"/> | — | — |
| 4. Foraging habitat | — | <input checked="" type="checkbox"/> | — | — |
| 5. Roosting structure | — | <input checked="" type="checkbox"/> | — | — |
| 6. Roosting behavior | — | <input checked="" type="checkbox"/> | — | — |
| 7. Nesting structure | — | <input checked="" type="checkbox"/> | — | — |
| 8. Nesting behavior | — | <input checked="" type="checkbox"/> | — | — |
| 9. Microclimate (on site, short or long term) | — | <input checked="" type="checkbox"/> | — | — |
| 10. Other (ie, predation, storm exposure, etc.) | — | <input checked="" type="checkbox"/> | — | — |

b. Is this a Spotted Owl area plan review for more than one THP? ()yes ()no
 (If yes, is a map attached which adequately describes each proposed THP area? ()yes ()no).

Plan Name Stewart THP THP # 102170-89-1 93-041 SON
 Alternative Used # _____
 Assignment # _____

- f. Database Information
 1. CDF printout ()yes ()no
 2. Other materials Worster's files
- g. Mapped Known Owl Nest Sites and Roost Areas
 (on & off site within 1.3 miles of plan perimeter)
- h. Calling Response Results/Dates
 (attach list and location map) 1/13/92 TW-NR 1842-1922 NR
4/18/92 TW-Q750 in Crawford thicket
1/4 mile to the south
- i. Aerial Photos _____

A2. Field Review

- Is a field review requested/necessary? ()yes ()no
 (if no, explain) _____
- a. Was the review route adequate? ()yes ()no
 Date of field review 1/13/92 4/18/92
- b. Were owls detected? ()yes ()no to the south of plan area
 (attach owl occurrence sighting reports)
- c. Maps accurate? ()yes ()no
 (if no, attach map/describe and note changes on map)

B. Project Evaluation/Significant Observations
 (if yes, describe in comments section B(c))

| | Yes | No | N/A | Unknown |
|--|-----|-------------------------------------|-----|---------|
| a. Will timber operations significantly disrupt or impair: | | | | |
| 1. Local movement (on site & within 1/2 mile) | — | <input checked="" type="checkbox"/> | — | — |
| 2. Dispersal opportunities (within 1 mile of known owls) | — | <input checked="" type="checkbox"/> | — | — |
| 3. Prey base (within 1/2 mile of known owls) | — | <input checked="" type="checkbox"/> | — | — |
| 4. Foraging habitat | — | <input checked="" type="checkbox"/> | — | — |
| 5. Roosting structure | — | <input checked="" type="checkbox"/> | — | — |
| 6. Roosting behavior | — | <input checked="" type="checkbox"/> | — | — |
| 7. Nesting structure | — | <input checked="" type="checkbox"/> | — | — |
| 8. Nesting behavior | — | <input checked="" type="checkbox"/> | — | — |
| 9. Microclimate (on site, short or long term) | — | <input checked="" type="checkbox"/> | — | — |
| 10. Other (ie, predation, storm exposure, etc.) | — | <input checked="" type="checkbox"/> | — | — |

- b. Is this a Spotted Owl area plan review for more than one THP? ()yes ()no
 (If yes, is a map attached which adequately describes each proposed THP area? ()yes ()no).

Plan Name Stanett

THP # 1-93-041 SON
Alternative Used #
Assignment #

Owl pair
plus triplets
found on
Srawford
Gulch

c. Comments (explanation of project evaluation responses) additional
calling in April and May 1992 is required to pin
down where SO's are in or adjacent to this plan; 3 evening
calls should do it. If on plan determine whether nesting or
() Check here if additional pages are attached (number of pages)
not. Birds will be monitored by Berry & Woster

B1. I have reviewed the proposed timber operations and Spotted Owl information and
* ~~have/have not~~ ^{nr} completed a site specific review. The information provided is
* ~~sufficient/not sufficient~~ ^{nr} for me to complete my evaluation. The information
provided and my observations * ~~lead me to conclude that/are insufficient to~~
~~determine if~~ the proposed operations * ~~will/will not~~ ^{nr} likely result in "take"
of the Northern Spotted Owl as described in the Federal Endangered Species Act
and the Forest Practice Rules.

(* cross out inappropriate recommendation language and initial above
appropriate recommendation language.)

B2. () This checklist/worksheet applies to a plan or proposal that doesn't need to
be changed to avoid a "take".
() This checklist/worksheet applies to a plan or proposal that requires ^{conditions} ~~changes~~
to avoid a "take". Required changes are described in the ~~comments~~ ^{conditions} section
and any attached pages.

Reviewer Theodore W. Woster
(Designated Biologist)

Signature Theodore W. Woster

Date Completed 4/18/92.

Copies to:

- RPF
- EDF (referral office)
- CDF (Regional Office)
- DFG (HO Coordinator) **ORIGINAL**
- DFG (Office of Origin)
- DFG (Region Office Coordinator)

**End of Starrett-Torr THP 1-93-041 SON and beginning of CYO or YAASF(Wyatt) THP 1-95-212
SON**

PLAN NAME Y A A S F

NSO ASSIGN # _____ ORIG # _____
THP # _____

Date Referral Received by DFG: 5/11/95 Date RPF Notified: _____

1-95-21250N
Alternative Used: _____

Date Referral Received by CDF: _____ USGS Quad Name Camp Meeker

(Date Referral Received by Designated Biologist: 5/11/95 (DB Initial))

17.5° 1115°

CALIFORNIA DEPARTMENT OF FISH AND GAME

NORTHERN SPOTTED OWL CONSULTATION CHECKLIST

A1 Plan Submitter Youth Activities of Archdiocese of SF.

Consultation Information Submitter Jim Berry & Ted Wooten

Watershed/Tributaries Dutch Bull Creek

Township T7N Range R10W Sections 20 + 21 County Sonoma

Plan Acres/Silviculture 115 acres - selection

| A2 | Document Review | Submitted | Needed | Explanation |
|----|------------------------------|--|--------------------------|---|
| | Plan Description | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Camp Meeker</u> |
| | Planimeter/Topographic Map | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>On/Off Site 985ac. around 08410.</u> |
| | Habitat Map (acres/location) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | Aerial Photos (if available) | Source: <u>SCS</u> Series/Date: <u>1971</u> #: | | |
| | NSO Location Map (1.3 Miles) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Nest/Roost |
| | DataBase (CDF Printout) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Date/Results |

(DFG Territory #) 084
(submit database printout with referral request and consultation checklist)
Results Pain adjacent to plan

Survey Date 7/25/92, 4/21/95, 5/11/95 JS & TW

A3 Field Review
Review Participants Theodore W. Wooten & Jim Berry

Adequate Review Route () no () yes Date 5/11/95 Explain _____
Accurate Maps () no () yes Explain _____
Accurate Habitat Mapping () no () yes Explain _____
Adequate Surveys () no () yes Explain _____

Habitat Characteristics 2nd growth RW, DF, TO + madrone
Scattered small residual RW's (< 1 per acre)

1-95-21250N

PLAN NAME YAA SF

NSO ASSIGN # _____ ORIG # _____
THP # _____

MD084

Project Evaluation

B1 NSO's detected within 1.3 miles of operations area? () no (x) yes Date last detected 5/11/95

NSO's present now? () unknown (x) yes: () onsite () 500' () 1000' () 0.7mi () 1.3mi

Will NSO habitat retention standards be met post-harvest? () no (x) yes Describe post-harvest habitat characteristics to support NSO's: selection system & post experience with Berry indicator or change

Estimated Habitat Retention Acres (pre/post harvest):

| | 500' | 1000' | 0.7mi | 1.3mi |
|-------------|-------|-------|-----------------|-------|
| Nest | _____ | _____ | _____ | _____ |
| Roost | _____ | _____ | <u>985, 985</u> | _____ |
| Forage | _____ | _____ | _____ | _____ |
| Non-Habitat | _____ | _____ | _____ | _____ |

B2 Is this consultation for more than one (1) THP? () no (x) yes

List all known NSO consultations within 1.3 mi of this survey area

Presbyterian of the Redwood THP 1-92-6350N

B3 Will the proposed plan significantly disrupt, impair or modify (if YES or UNK, explain in B4):

| | NO | N/A | UNK | YES |
|--|-------------------------------------|-------|-------|-------|
| a. Local Movement (onsite or within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| b. Dispersal Opportunity (within 1 mi of NSO) | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| c. Prey Base (within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| d. Foraging Habitat | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| e. Roosting Structure | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| f. Roosting Behavior | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| g. Nesting Structure | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| h. Nesting Behavior | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| i. Other (predation, exposure, etc.) | <input checked="" type="checkbox"/> | _____ | _____ | _____ |

B4 Comments (evaluate adequacy of information provided, compliance with accepted guidelines, and features specific to this survey area)

(Name of preparer for Parts A & B, if different from designated biologist: _____)

PLAN NAME YAASF

NSO ASSIGN # _____ ORIG # _____

THP # _____

1-95-21250N

Consultation Determination

ENTRIES ON THIS PAGE CAN BE COMPLETED ONLY BY DESIGNATED BIOLOGIST (cross out inappropriate language and initial above each cross out):

Pursuant to the Protocol for Surveying Proposed Management Activities that may impact Northern Spotted Owls, endorsed and revised by the U.S. Fish and Wildlife Service (USFWS) on March 17, 1992, subsequent revisions to the protocol issued by the USFWS, and other scientific information available to me, I ~~have~~^{tw} verified in the field the information submitted and have concluded that:

- C1 The information provided ~~is~~^{tw} sufficient to complete my evaluation.
- C2 The surveys provided to me ~~do not~~^{tw} conform to the Protocol issued and revised by USFWS.
- C3 The information provided to me and the field review of the plan and surrounding area lead me to conclude that:
 - C3-1. The plan area ~~is~~^{tw} suitable northern spotted owl habitat;
 - C3-2. The project area and surrounding habitat ~~has~~^{tw} been adequately evaluated for the presence of northern spotted owls;
 - C3-3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ~~is~~^{tw} not likely; and
 - C3-4. The potential for this plan to result in the "unauthorized incidental take" of a northern spotted owl ~~is~~^{tw} not likely.

A determination that the potential for unauthorized incidental take has been minimized (C3, above) remains valid until the start of the breeding season in the year _____. For operations to be conducted after the start of the breeding season in that year, surveys must be completed during the breeding season prior to the start of operations and submitted for re-evaluation.

This consultation checklist applies to a plan or proposal that (initial applicable findings):

- C4() Does not need to be revised to minimize unauthorized incidental take.
- C5() Has been revised to minimize unauthorized incidental take, as described in the attached comments.
- C6() Requires revisions in order to minimize unauthorized incidental take, as described in the attached comments.
- C7() For which the consultation checklist cannot be completed until additional information is submitted (Sections 919.10(C), 939.10(C)). The necessary information is described in the attached comments.

This consultation checklist ~~does not~~^{tw} include additional pages as indicated below:

- C8() Comments describing necessary revisions or information, DFG 726-FORM 3A.5 (number of pages _____).
- C9() Confidential site information, DFG 726-FORM 3B.5 (number of pages 2). (may include Spotted Owl Observation Report Form)

Signature Theodore W. Wooster

Designated Biologist

Print Name Theodore W. Wooster

Date Completed 5/22/95

Form Distribution:

- Original () Designated Biologist
- Copies () RPF
- () CDF (Referral Office)
- () DFG (NSO Consultation Coordinator)

NOTE

Northern Spotted Owl information has been submitted with Timber Harvesting Plan (THP) 1-95-212 SON. Under direction of the U.S. Fish & Wildlife Service (USFWS) and Department of Fish & Game (DFG), the California Department of Forestry and Fire Protection (CDF) can not disclose site-specific information and thus has edited site-specific information from the general version of this THP and placed it in a confidential file at the CDF Region I Headquarters, 135 Ridgway Ave., Santa Rosa, CA 95401. The information edited from the general version of the plan has been sent to the following locations for review:

- DFG - Region 3 (Dick Moore @ SNU) *PAGES REMOVED*
- DFG - Region 1 (Eureka) *62-69*
- CDF Field Unit - Fortuna
- CDF Field Unit - Ukiah
- CDF Field Unit - Sonoma
- Other _____

Site-specific information may be released by DFG or the USFWS on a need-to-know basis. In this instance, contact:

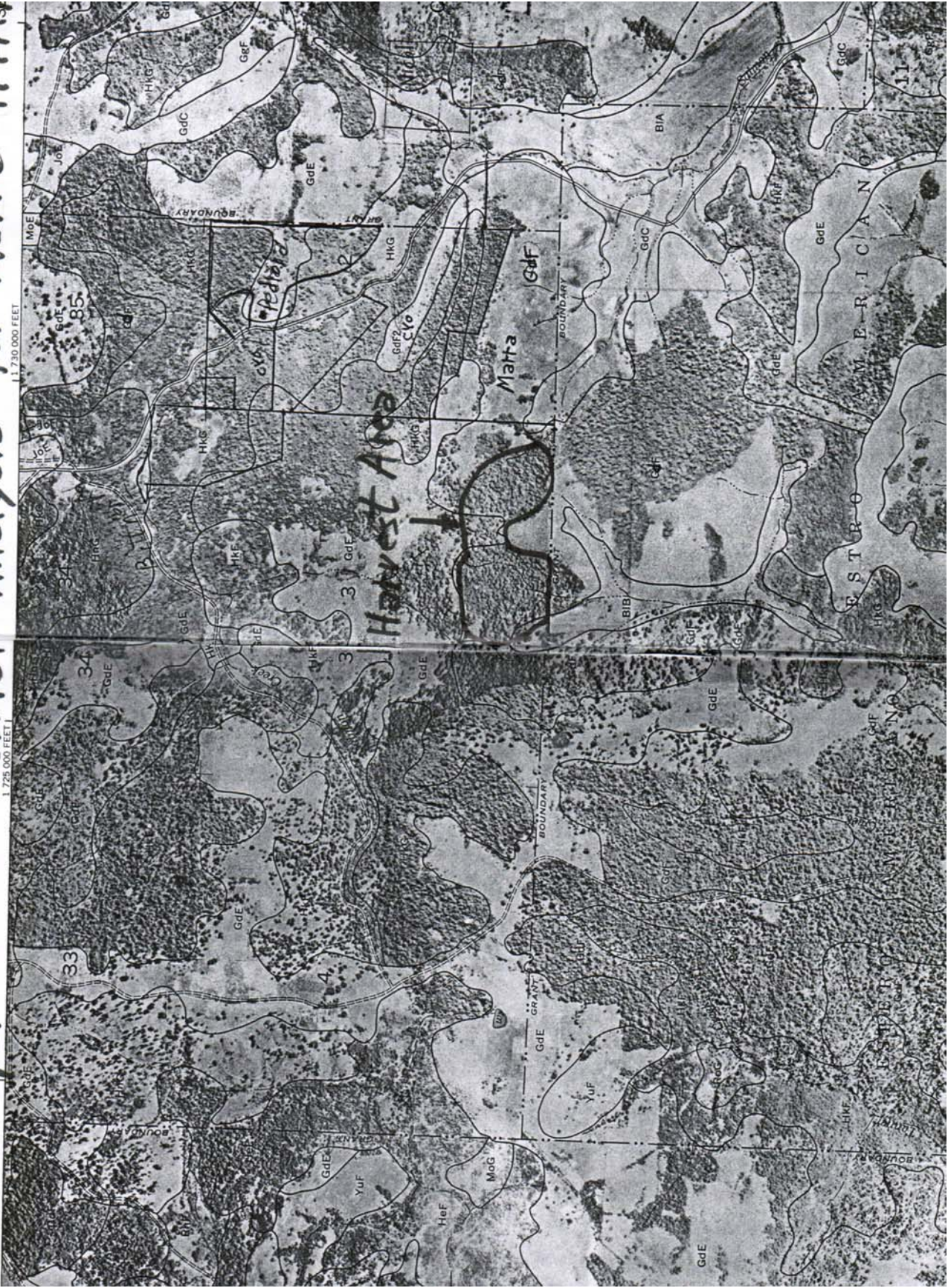
Gordon Gould
Department of Fish & Game
Wildlife Management Division
Nongame Bird and Mammal Section
1416 Ninth St.
Sacramento, CA 95814

or:

US Fish & Wildlife Service
2800 Cottage Way, Rm E-1823
Sacramento, CA 95825

This is the beginning of Marra THP

Map for Spotted Owl Habitat Analysis for Marra T.H. et al.

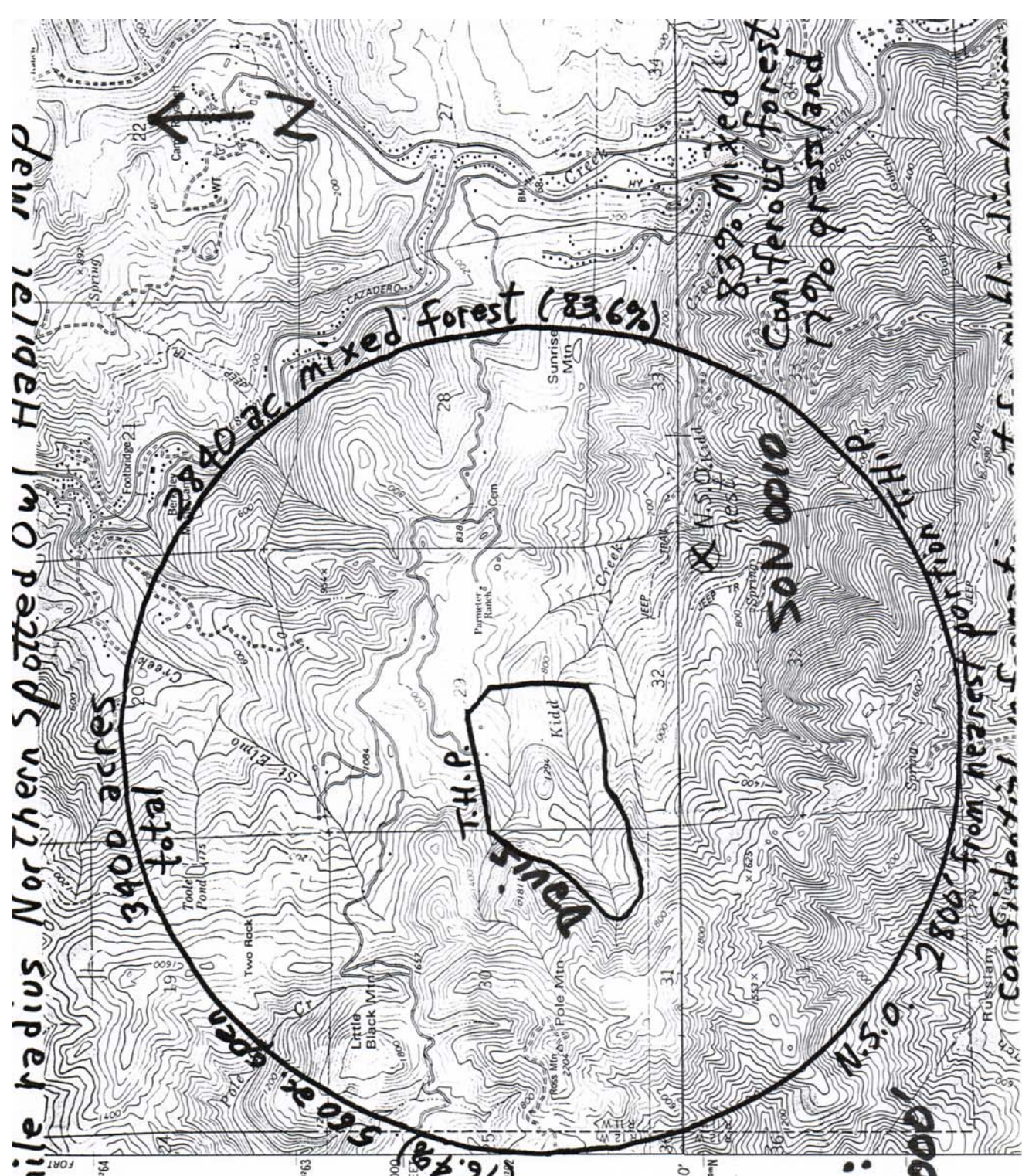


1.3 mile radius Northern Spotted Owl Habitat map

3400 acres total

2840 ac. mixed forest (83.6%)

83% Mixed Coniferous forest
17% grassland



Scale: 1" = 2000'

Davis

SON 0010
N.S.O. Keith
N.S.O.
2800' from nearest portion
CONFIDENTIAL

Spotted Owl

Northern Spotted Owl Calling Stations

for Harold & Elaine Davis 1991-1992

THP# 1-92-09950N

Nearest NSO

SON 0010



Not needed

30 29
31 32

Scale 1" = 500'

1/10 1/10

NORTHERN SPOTTED OWL FIELD SURVEY FOR Starrett-Torr 1992 CALLS 4, 5, 6

LANDOWNER **TORR** THP#1-93-041 SON OBSERVERS Jim Berry, Ted Wooster CALL # 4 DFG TERRITORY NO. SON 0031

GENERAL LOCATION one mile south of Monte Rio and west of Main St. Quad Name: Camp Meeker 7.5 Min Yes
S 18 & 21, T7N, R10W HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d

DATE @ START 18 April 1992 START TIME (2400 clock): 1900 END TIME: 2200 TOTAL TIME: 180

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 40-45 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 1900 | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| TO | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION D-North Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| 2200 | STATION G-Marie Canyon | P | | NO NSO RESPONSE |
| | STATION H-Crawford Gulch | P | V | NSO RESPONSE |

DATE @ START 12 Dec 1991 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 1900 END TIME: 2232 TOTAL TIME: 212

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no
temp.range. 69-77 degrees F

| | | | | |
|------|--------------------------------|---|-----|------------------|
| 1900 | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| TO | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION D-North Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| | STATION G-Marie Canyon | | | NO NSO RESPONSE |
| 2232 | STATION H-Crawford Gulch | | | NO NSO RESPONSE |

DATE @ START 23 October 1992 CALL # 6 OBSERVERS Jim Berry and Ted Wooster

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 69-80 F

| | | | | |
|-----------|--------------------------|---|---|---|
| 11:00 AM | STATION H-Crawford Gulch | P | V | NSO RESPONSE- FOR 10 MINUTES IN SPITE OF CAT AND DOG NOISE |
| Follow-up | | | | |
| DAY CALL | | | | |

Confidential File

69

Wildlife Section

THP # 1-93-04150N
Alternative Used # _____
Assignment # _____

California Department of Fish and Game
Spotted Owl Plan Review Checklist/Worksheet

A. Spotted Owl Plan Name (if any) Stanetti THP
Plan Submitter Jim Berry Forester
Watershed/Tributaries Dutch Bell Drainage
Township 7N Range 11W Section 18 County Sonoma

Operation Acres 300 Silvicultural Method (acres) selection

Dates:

Received by DFG 1/13/92 Received by Designated Biologist _____

RPF Notified _____

Plan Reviews 1/13/92 4/18/92 Field Inspections 1/13/92 4/18/92

Field Review Participants (name/organization) Merdon Worster CFXG
+ Jim Berry, Forester

A1. Document Review

(Check adequacy of plan content) (Briefly describe adequacy or relevance)

a. Map of Habitat Types yes

b. Map Readability/Clarity yes

c. Map and Plan Content for Proposed Operations (haul, cable, tractor roads and landings, project scheduling, site preparation, preproject descriptions) yes

d. Description of Probable Project Results (stems/acre, stem size and age, canopy closure, understory, ground disturbance, species composition) yes

e. Map and Plan Content for Key Components (potential or actual nesting, roosting, feeding)
nesting roosting feeding

1. Pre-harvest acres _____ 300

2. Post-Harvest acres _____ 300

Plan Name

Stamett THP

THP #

1-93-041 SON

Alternative Used #

Assignment #

f. Database Information

1. CDF printout ()yes ()no

2. Other materials Worster's files

g. Mapped Known Owl Nest Sites and Roost Areas
(on & off site within 1.3 miles of plan perimeter)

h. Calling Response Results/Dates
(attach list and location map)

1/13/92 TW-NR 1842-1922 NR

4/18/92 TW - 8750 in Crawford thicket
1/4 mile to the south

i. Aerial Photos.

A2. Field Review

Is a field review requested/necessary? ()yes ()no
(if no, explain)

a. Was the review route adequate? ()yes ()no

Date of field review 1/13/92 4/18/92

b. Were owls detected? ()yes ()no to the south of plan area
(attach owl occurrence sighting reports)

c. Maps accurate? ()yes ()no
(if no, attach map/describe and note changes on map)

3. Project Evaluation/Significant Observations
(if yes, describe in comments section B(c))

Yes No N/A Unknown

a. Will timber operations significantly disrupt or impair:

1. Local movement (on site & within 1/2 mile)

2. Dispersal opportunities (within 1 mile of known owls)

3. Prey base (within 1/2 mile of known owls)

4. Foraging habitat

5. Roosting structure

6. Roosting behavior

7. Nesting structure

8. Nesting behavior

9. Microclimate (on site, short or long term)

10. Other (ie, predation, storm exposure, etc.)

| | Yes | No | N/A | Unknown |
|--|-----|-------------------------------------|-----|---------|
| 1. Local movement (on site & within 1/2 mile) | | <input checked="" type="checkbox"/> | | |
| 2. Dispersal opportunities (within 1 mile of known owls) | | <input checked="" type="checkbox"/> | | |
| 3. Prey base (within 1/2 mile of known owls) | | <input checked="" type="checkbox"/> | | |
| 4. Foraging habitat | | <input checked="" type="checkbox"/> | | |
| 5. Roosting structure | | <input checked="" type="checkbox"/> | | |
| 6. Roosting behavior | | <input checked="" type="checkbox"/> | | |
| 7. Nesting structure | | <input checked="" type="checkbox"/> | | |
| 8. Nesting behavior | | <input checked="" type="checkbox"/> | | |
| 9. Microclimate (on site, short or long term) | | <input checked="" type="checkbox"/> | | |
| 10. Other (ie, predation, storm exposure, etc.) | | <input checked="" type="checkbox"/> | | |

b. Is this a Spotted Owl area plan review for more than one THP? ()yes ()no
(If yes, is a map attached which adequately describes each proposed THP area? ()yes ()no).

Plan Name Staveth

THP # 1-93-04150N
Alternative Used #
Assignment #

21

Owl pair
vs triplets
bond on
rawford
sulch

c. Comments (explanation of project evaluation responses) additional

calling in April and May 1992 is required to pin
down where SO's are in or adjacent to this plan; 3 evening
calls should do it. If on plan determine whether nesting or
() Check here if additional pages are attached (number of pages)
not. Birds will be monitored by Berry & Woster

B1. I have reviewed the proposed timber operations and Spotted Owl information and
* ~~have/have not~~ ^{nu} completed a site specific review. The information provided is
* ~~sufficient/not sufficient~~ ^{nu} for me to complete my evaluation. The information
provided and my observations * lead me to conclude that/are insufficient to
determine if the proposed operations * ~~will/will not~~ ^{nu} likely result in "take"
of the Northern Spotted Owl as described in the Federal Endangered Species Act
and the Forest Practice Rules.

(* cross out inappropriate recommendation language and initial above
appropriate recommendation language.)

B2. () This checklist/worksheet applies to a plan or proposal that doesn't need to
be changed to avoid a "take".
() This checklist/worksheet applies to a plan or proposal that requires ^{conditions} ~~changes~~
to avoid a "take". Required changes are described in the comments section
and any attached pages. ^{conditions}

Reviewer Theodore W. Woster
(Designated Biologist)
Signature Theodore W. Woster
Date Completed 4/18/92

Copies to:

- RPF
- CDF (referral office)
- CDF (Regional Office)
- DFG (HQ Coordinator) **ORIGINAL**
- DFG (Office of Origin)
- DFG (Region Office Coordinator)

Received CDF
REGION 1
FEB 02 1993

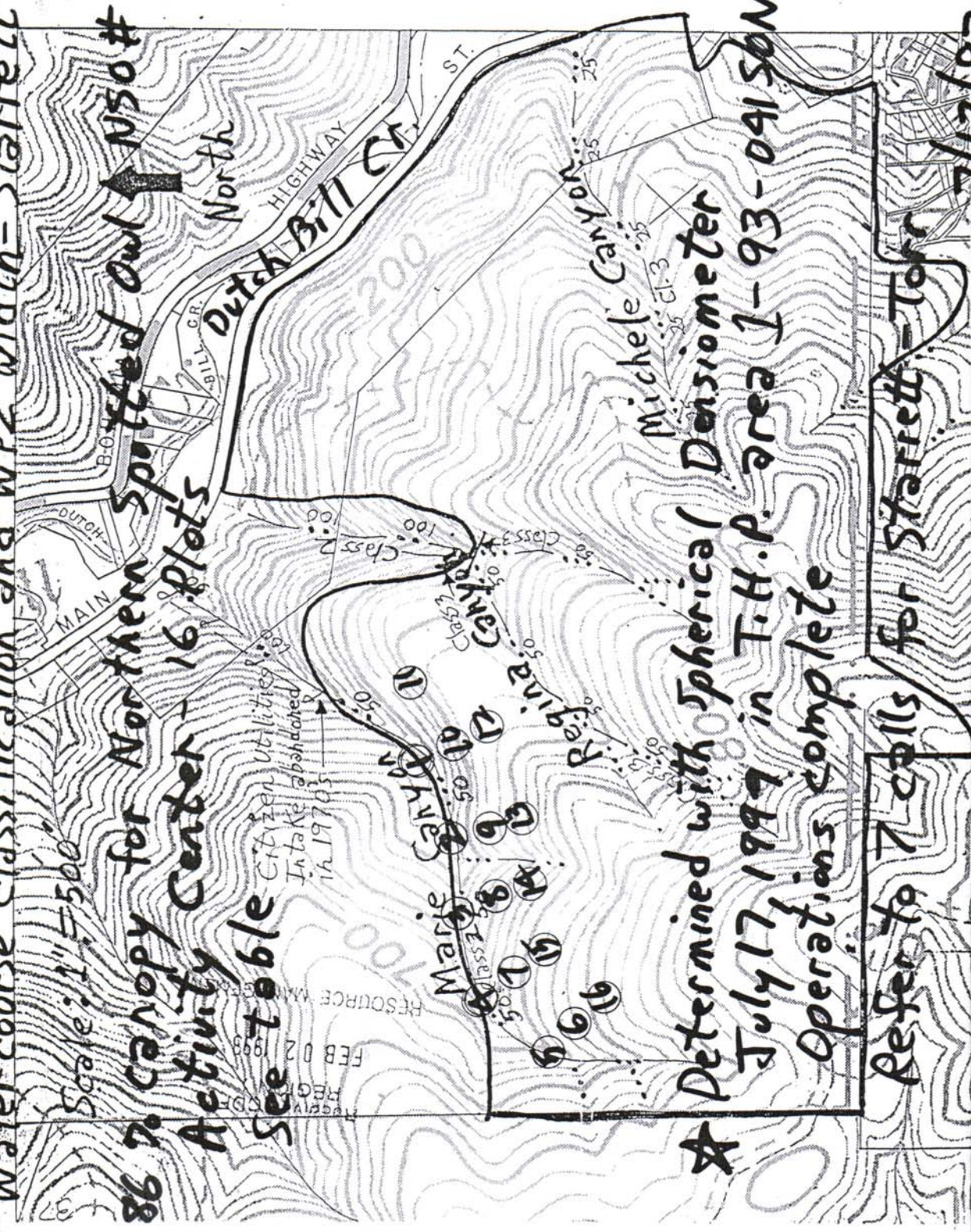
Water course classification and WPZ width - Stattett

Scale: 1" = 500'

86% Canopy for Northern Spotted Owl \uparrow NSO#
Activity Center - 16 Plots

See Table

Citizen Utilities
Intake abandoned
in 1970s



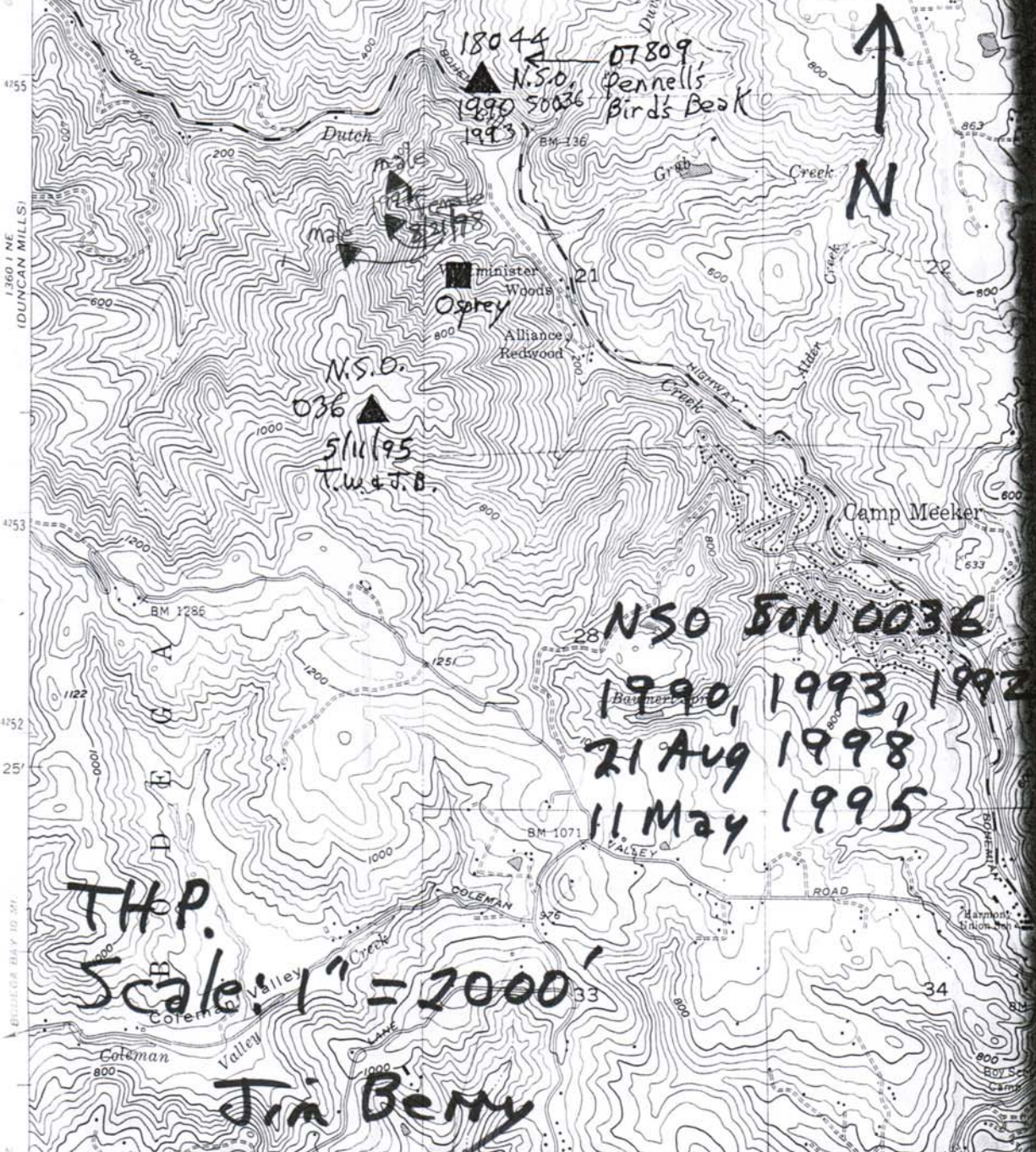
★ Determined with Spherical Densiometer
July 17, 1999 in T.H.P. area 1-93-04150N
Operations complete

Refer to 7 cells for Stattett - Torr 7/17/99

**End of Starrett-Torr THP 1-93-041 SON and beginning of CYO or YAASF(Wyatt) THP 1-95-212
SON**

Presbytery of the Redwoods

18045
1989
1992
N.S.O. 036 Male & Female
8/21/98 Vocal connection only
THP# 1-92-163 50N



1360 I NE
(DUNCAN MILLS)

1360 I NE
(DUNCAN MILLS)

1360 I NE
(DUNCAN MILLS)

1360 I NE
(DUNCAN MILLS)

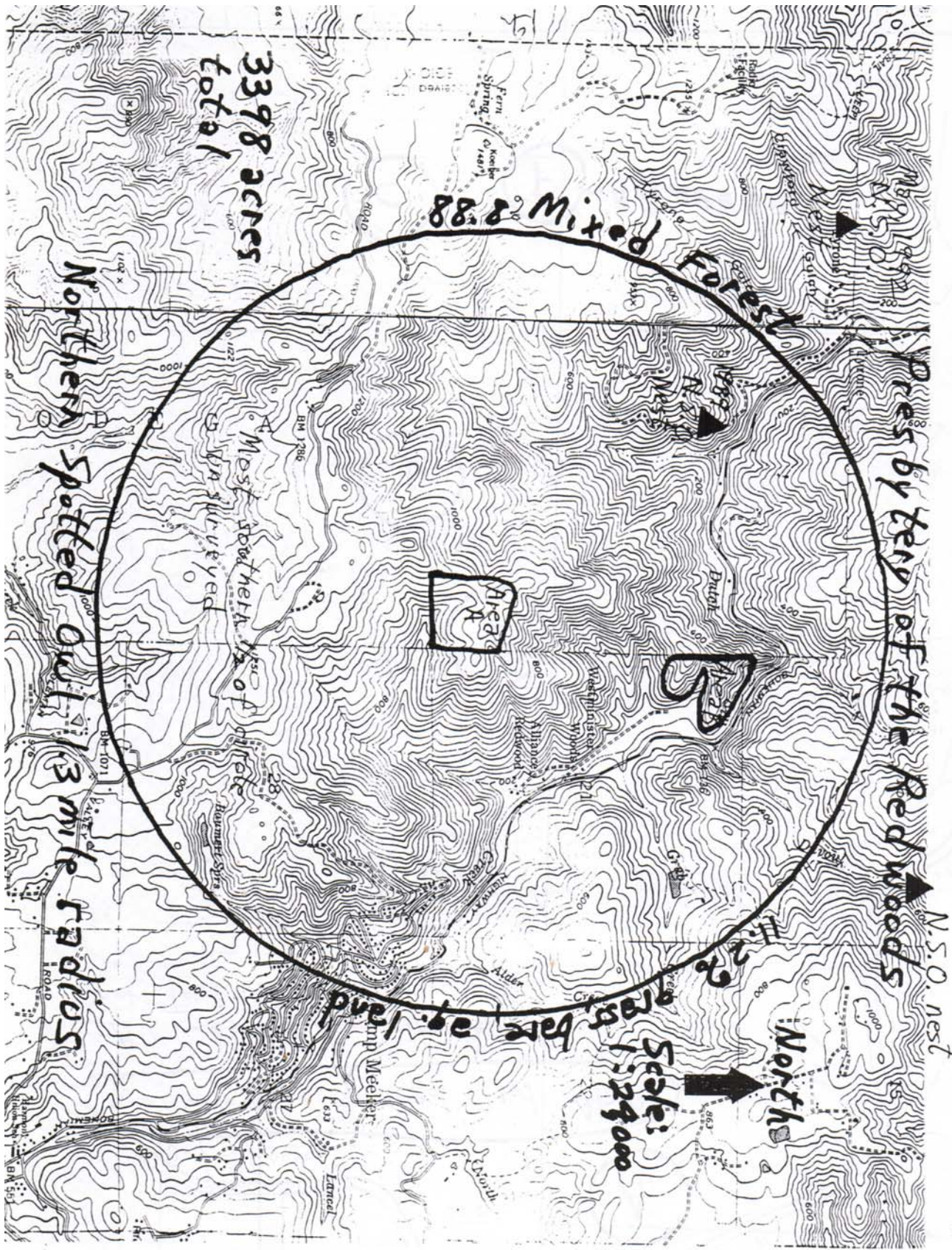
1360 I NE
(DUNCAN MILLS)

THP
Scale: 1" = 2000'

Jim Berry

NSO 50N 0036
1990, 1993, 1992
21 Aug 1998
11 May 1995





3398 acres
total

88.8 Mixed Forest

Northern Spotted Owl 1/3 mile radius

Pres by type of the Red woods

N.S.O. nest

North

Scale:
1:24,000

Area A

Area B

grass bare sp. land

Most southern part of granite
is unsurveyed

N.S.O. 036

17 16
2C 21

A

Westminster NSO Station Map

THP 1-92-16350N

B

E

D

C

~~F~~

-not needed

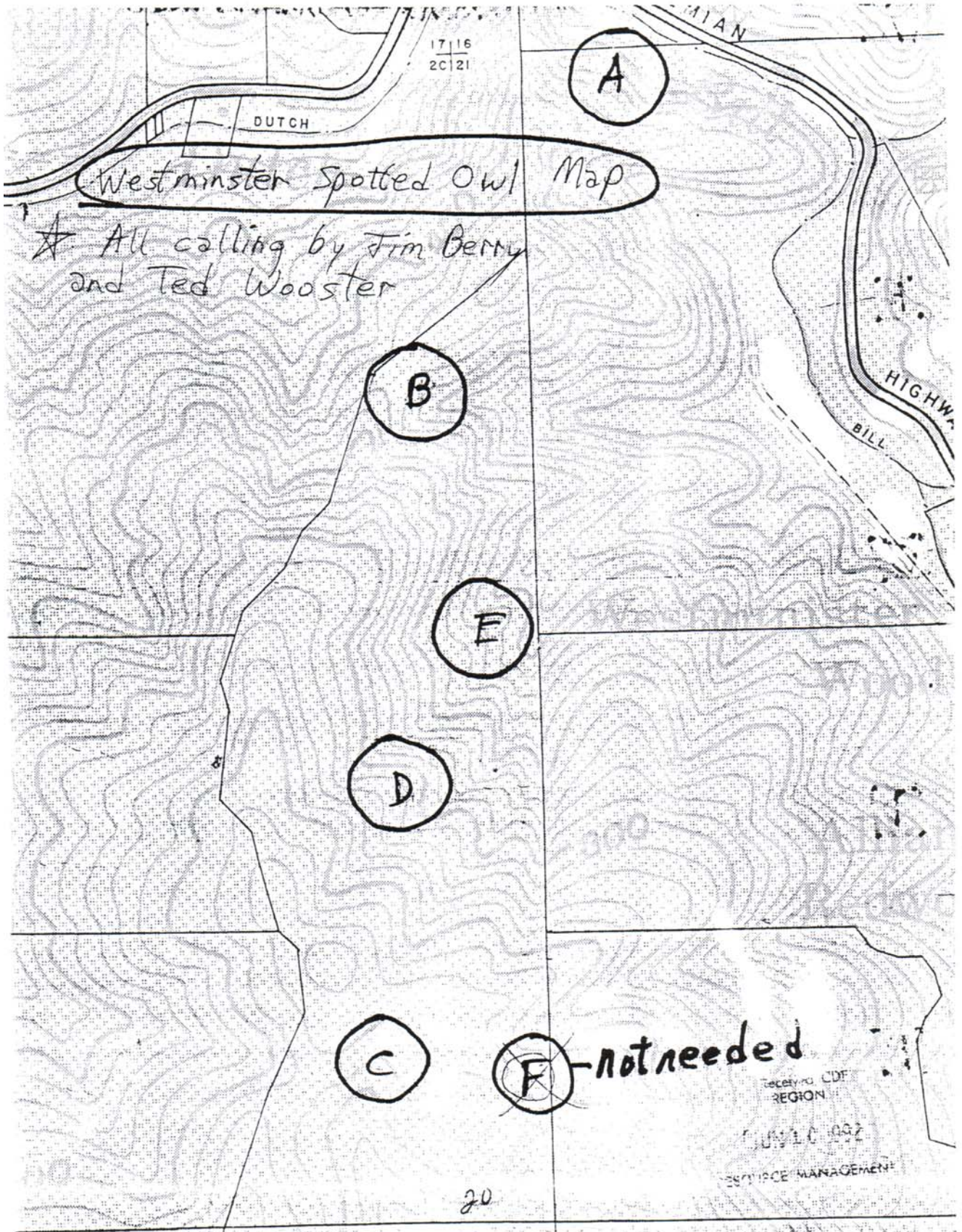
DUTCH

IAN

HIG
BILL

800

00



Westminister Spotted Owl Map

★ All calling by Jim Berry and Ted Wooster

A

B

E

D

C

~~F~~

-not needed

CALIFORNIA CDF REGION 11

JUL 10 1992

RESOURCE MANAGEMENT

NORTHERN SPOTTED OWL FIELD SURVEY-WESTMINSTER 1991-2 CALLS 1,2,3

LANDOWNER **Presbytery of the Redwoods** THP#1-92-163 SON OBSERVERS Jim Berry CALL # 1 DFG TERRITORY NO. SON 00?

GENERAL LOCATION **Bohemian Hwy. near RR tunnel** Sonoma County Quad Name: Camp Meeker (7.5 Min & NAD 27) **S 20 & 21, T7N, R10W**

DATE @ START 15 November 1991 START TIME (2400 clock): 1825 END TIME: 1945 TOTAL TIME: 80

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 55 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 1820 | STATION A RR-DUTCH BILL | P SEE MAP | N/A | NO NSO RESPONSE- 55 F. ½ MOON |
| 1845 | STATION B-cafeteria gulch | P | N/A | MALE NSO 55 F. |
| 1900 | STATION C SEE | P | N/A | NO NSO RESPONSE |
| 1945 | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |
| 2000 | STATION E SEE MAP | P | N/A | NO NSO RESPONSE |

DATE @ START 10 December 1991 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 2000 END TIME: 2130 TOTAL TIME: 65

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-----------------------------|---|-------|------------------|
| 2000 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 2014 | STATION B (cafeteria gulch) | P | V & O | MALE NSO |
| 2040 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |
| 2115 | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |
| 2130 | STATION E | | | |

DATE @ START 13 January 1992 CALL # 3 OBSERVERS Jim Berry and Ted Wooster

START TIME (2400 clock): 1405 END TIME: 1535 TOTAL TIME: 90

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 65 degrees F

| | | | | |
|------------------|-------------------|---|-----|------------------|
| Wooster call | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| Times and places | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| See TA report | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |
| | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |
| | STATION E | | | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY-WESTMINSTER 1992 CALLS 4,5,6

LANDOWNER **Presbytery of the Redwoods** THP#1-92-163 SON OBSERVERS Jim Berry CALL # 4 DFG TERRITORY NO. SON 002

GENERAL LOCATION **Bohemian Hwy. -Dutch Bill Creek** Sonoma County Quad Name: Camp Meeker (7.5 Min &NAD 27) **S 20 &21, T7N, R10W**

DATE @ START 5 May 1992 START TIME (2400 clock): 1715 END TIME: 1911 TOTAL TIME: 116

HABITAT: **Redwood mesic- Douglas Fir, Tanoak, California Laurel, Huckleberry, WHR 5d**

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 55 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 1715 | STATION A RR-DUTCH BILL | P SEE MAP | N/A | NO NSO RESPONSE- 55 F. ½ MOON |
| 1745 | STATION B-cafeteria gulch | P | N/A | MALE NSO 55 F. |
| 1820 | STATION C SEE | P | N/A | NO NSO RESPONSE |
| 1842 | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |
| 1901 | STATION E SEE MAP | P | N/A | NO NSO RESPONSE |

DATE @ START 12 May 1992 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 2000 END TIME: 2140 TOTAL TIME: 100

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 49-62 F

| | | | | |
|------|-----------------------------|---|-----|------------------|
| 2000 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 2014 | STATION B (cafeteria gulch) | P | N/A | NO NSO RESPONSE |
| 2040 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |
| 2115 | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |
| 2130 | STATION E | P | N/A | NO NSO RESPONSE |

DATE @ START 3 June 1992 CALL # 6 OBSERVERS Jim Berry

START TIME (2400 clock): 1545 END TIME: 1740 TOTAL TIME: 115

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 80 degrees F

| | | | | |
|------|-------------------|---|-----|------------------|
| 1730 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 1710 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 1645 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |
| 1600 | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |
| 1545 | STATION E | P | N/A | NO NSO RESPONSE |

End of Westminster (Presbytery of the Redwoods) NSO data for THP #1-92-163 SON

Begin Isaacs NSO data for #1-94-057 SON

NORTHERN SPOTTED OWL DATABASE
Recorded Observation Information Request
(one plan only per each request)

TO: California Department of Forestry & Fire Protection
P.O. Box 670
Santa Rosa, CA 95401

Attn: Forest Practice

REQUESTER:
Name: Jim Berry
Address: P.O. Box 106
Cazadero, CA 95421

Phone: 707-632-5280

LOCATION:
Plan Name: Judith Isaacs
County (s) Sonoma

Legal Description of Plan Area

Tnshp 8 Rng 13 Sctn(s) 2 ; ; ; ; ; ;
Tnshp _____ Rng _____ Sctn(s) _____ ; ; ; ; ; ;
Tnshp _____ Rng _____ Sctn(s) _____ ; ; ; ; ; ;
Tnshp _____ Rng _____ Sctn(s) _____ ; ; ; ; ; ;

Legal Description of Sections within 1.5 miles of Plan Area

Tnshp 8 Rng 13 Sctn(s) 1 ; ; ; ; ; ;
Tnshp 8 Rng 13 Sctn(s) 3 ; ; ; ; ; ;
Tnshp 8 Rng 13 Sctn(s) 34 ; ; ; ; ; ;
Tnshp 8 Rng 13 Sctn(s) 35 ; ; ; ; ; ;
Tnshp 8 Rng 13 Sctn(s) 36 ; ; ; ; ; ;

Map: Attached is a map showing the location of potential operations taken from the USGS 15 minute topographic quadrangles _____.

SIGNATURE: * [Signature] * RPF # * 1193 *

CDF Use Only

DATE RECEIVED:

DATE RESPONSE MAILED: 9/23/93
REQUEST ID NUMBER: _____

Received CDF
REGION 1

JUL 29 1993

RESOURCE MANAGEMENT

Received CDF
REGION 1
SEP 10 1993
Give RPF #
110/43

Received CDF
REGION 1

AUG 16 1993

RESOURCE MANAGEMENT

INSORQST.4M

317

REPORT #1

REPORT OF AREAS SEARCHED
NORTHERN SPOTTED OWL DATABASE SYSTEM

RPF: JIM BERRY

#: 1193

| COUNTY | TOWNSHIP | RANGE | SECTION | TERRITORY |
|--------|----------|-------|---------|-----------|
| SO | 08N | 13W | 01 | |
| SO | 08N | 13W | 02 | |
| SO | 08N | 13W | 02 | |
| SO | 08N | 13W | 03 | |
| SO | 08N | 13W | 34 | |
| SO | 08N | 13W | 35 | |
| SO | 08N | 13W | 36 | |

B

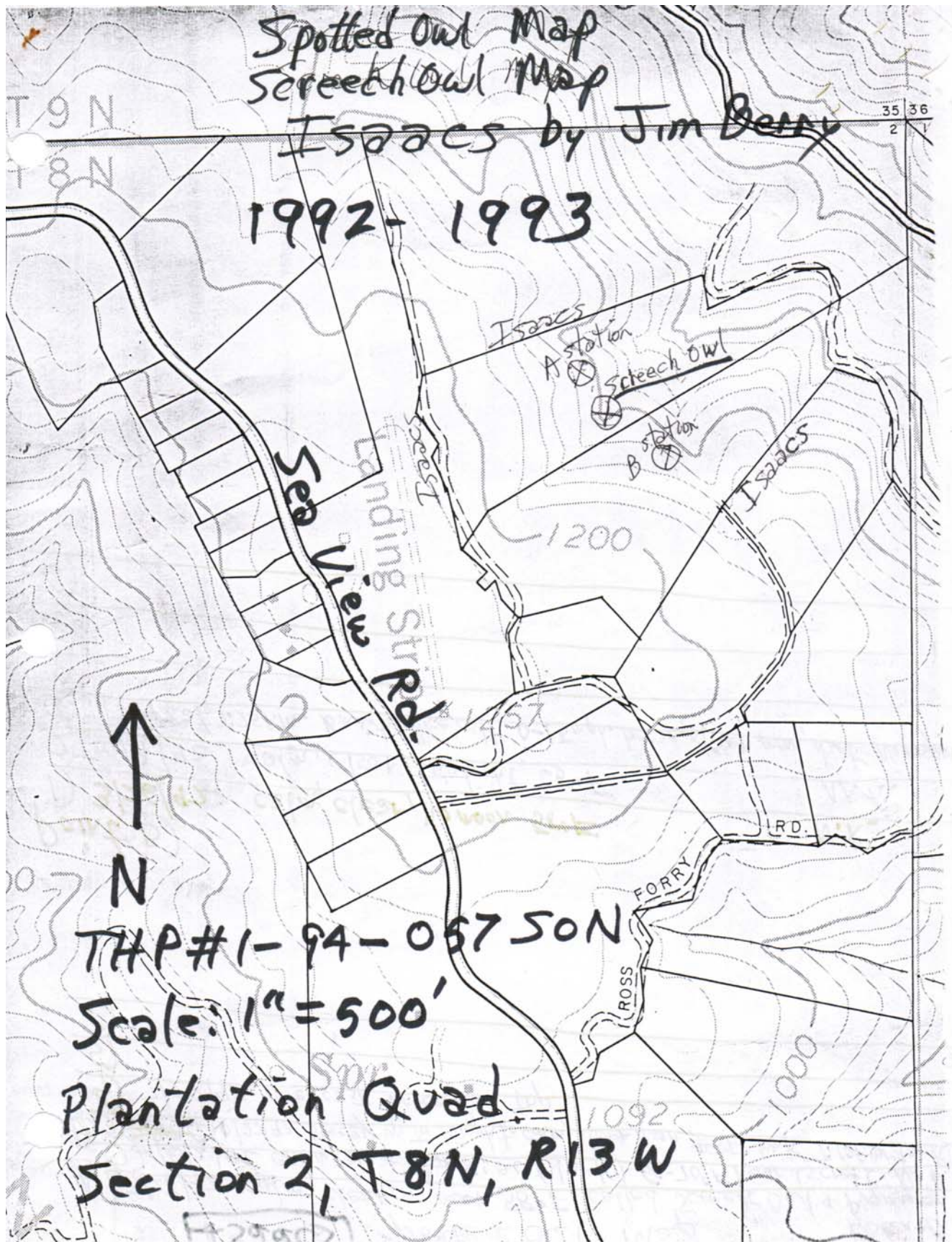
NOTE: THREE SEPARATE REPORTS ARE GENERATED IF NORTHERN SPOTTED OWL RECORDS ARE KNOWN FROM THE REQUESTED SEARCH AREA. THE SECOND AND THIRD REPORTS WILL NOT PRINT IF OBSERVATION RECORDS ARE NOT ENCOUNTERED DURING THE SEARCH. IF THE TERRITORY COLUMN IS EMPTY, THERE WERE NO RECORDED OBSERVATIONS WITHIN THE SEARCH AREA FOR THIS 4/25/91 RELEASE OF THE DFG NORTHERN SPOTTED OWL DATABASE.

CONFIDENTIAL INFORMATION - NOT FOR PUBLIC RELEASE

Spotted Owl Map
Screech Owl Map

Isaacs by Jim Berry

1992-1993



THP#1-94-06750N

Scale: 1" = 500'

Plantation Quad

Section 2, T8N, R13W

Isaacs Northern Spotted Owl Map
Plantation Quadrangle 7.5' minute
1.3 mile vegetation radius

★ Confidential

21% grassland
714ac.

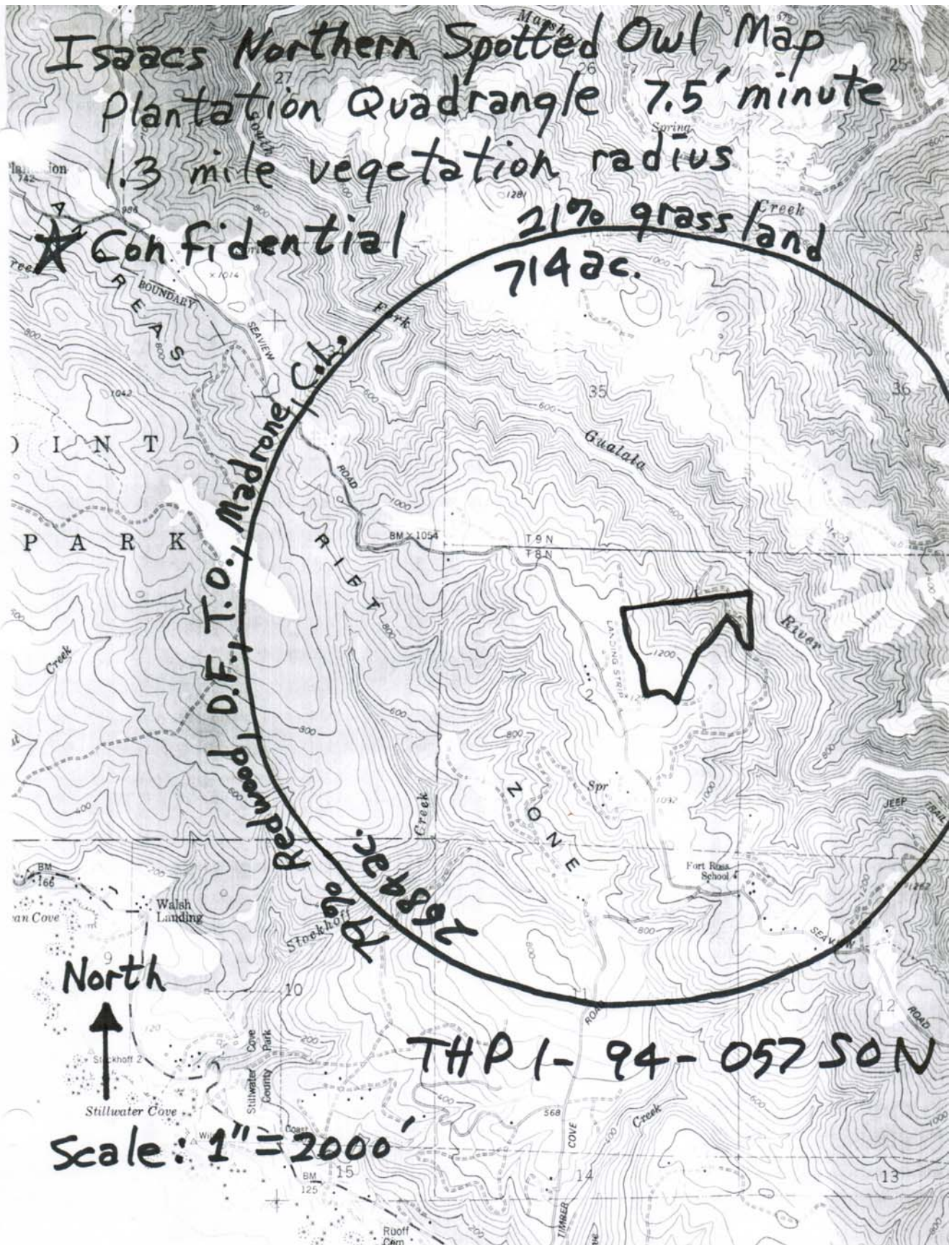
D.F. T.O. Madrone C.L.
Redwood
7689ac

North



Scale: 1" = 2000'

THP 1-94-057 SON



NORTHERN SPOTTED OWL FIELD SURVEY FOR Isaacs 1992 CALLS 1,2,3

LANDOWNER **ISAACS** **THP#1-94-057** SON OBSERVERS Jim Berry DFG TERRITORY NO. NONE KNOWN

GENERAL LOCATION **North of Seaview Road and West of Timber Cove Road** COUNTY **Sonoma** Quad Name: Plantation (7.5 Min & NAD 27) **S 2, T8N, R13W**

DATE @ START 26 March 1992 CALL # 1 START TIME (2400 clock): 2130 END TIME: 2110 TOTAL TIME: 40

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 55-58 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------|---|--|---|--|
| 2130 2100 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- SCREECH OWL NO NSO RESPONSE |

DATE @ START 4 October 1992 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 2000 END TIME: 2040 TOTAL TIME: 40

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no
temp.range. 69-77 degrees F

| | | | | |
|--------------|--|--------|------------|---|
| 2030 2000 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- SCREECH OWL NO NSO RESPONSE |
|--------------|--|--------|------------|---|

DATE @ START 27 November 1992 CALL # 3 OBSERVERS Jim Berry

START TIME (2400 clock): 1925 END TIME: 2010 TOTAL TIME: 35

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze temp. range 45 degrees F

| | | | | |
|--------------|--|--------|------------|-------------------------------------|
| 1925 2000 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- NO NSO RESPONSE |
|--------------|--|--------|------------|-------------------------------------|

NORTHERN SPOTTED OWL FIELD SURVEY FOR Isaacs 1993 CALLS 4,5,6

LANDOWNER **ISAACS** THP#1-94-057 SON OBSERVERS Jim Berry & TED WOOSTER (FIELD TA) DFG TERRITORY NO. **NONE KNOWN**

GENERAL LOCATION **North of Seaview Road and West of Timber Cove Road** SONOMA COUNTY Quad Name: Plantation (7.5 Min & NAD 27) **S 2, T8N, R13W**

DATE @ START 28 July 1993 CALL # 4 START TIME (2400 clock): 1430 END TIME: 1455 TOTAL TIME: 25

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 55-58 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 1445 1430 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- SCREECH OWL NO NSO RESPONSE |

DATE @ START 2 September 1993 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 1630 END TIME: 1700 TOTAL TIME: 30

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no temp.range. 65 degrees F

| | | | | |
|--------------|--|--------|------------|---|
| 1630 1650 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- SCREECH OWL NO NSO RESPONSE |
|--------------|--|--------|------------|---|

DATE @ START 27 November 1993 CALL # 6 OBSERVERS Jim Berry

START TIME (2400 clock): 1925 END TIME: 2010 TOTAL TIME: 35

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze temp. range 45 degrees F

| | | | | |
|--------------|--|--------|------------|-------------------------------------|
| 1925 2000 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- NO NSO RESPONSE |
|--------------|--|--------|------------|-------------------------------------|

NORTHERN SPOTTED OWL FIELD SURVEY FOR Isaacs 1994 CALLS 7,8,9

LANDOWNER **ISAACS THP#1-94-05 SON** OBSERVERS Jim Berry & TED WOOSTER (FIELD TA) DFG TERRITORY NO. NONE KNOWN
 CALL # 7

GENERAL LOCATION **North of Seaview Road and West of Timber Cove Road** Quad Name: Plantation 7.5 Min Yes
S 2, T8N, R13W

DATE @ START 11 March 1994 START TIME (2400 clock): 1928 END TIME: 1955 TOTAL TIME: 27

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 54 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|---|--|
| 2400 clock | | | | |
| 1928 1945 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE NO NSO RESPONSE |

DATE @ START 30 March 1994 CALL # 8 OBSERVERS Jim Berry

START TIME (2400 clock): _____ END TIME: _____ TOTAL TIME: _____

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no temp.58 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|--|--|
| 2400 clock | | | | |
| ?? | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE NO NSO RESPONSE |

DATE @ START 22 April 1994 CALL # 9 OBSERVERS Jim Berry

START TIME (2400 clock): 2031 END TIME: 2101 TOTAL TIME: 30

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze temp. range 46 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|---|---|
| 2400 clock | | | | |
| 2051 2031 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- SAWWHETT NO NSO RESPONSE |

End of NSO data for ISAACS THP# 1-94-057 SON and begin NSO Data for Atwood THP#1-93-225

Atwood Northern Spotted Owl Map
Camp Meeker - Guerneville Quadrangle

1.3 mile radius vegetation analysis

confidential

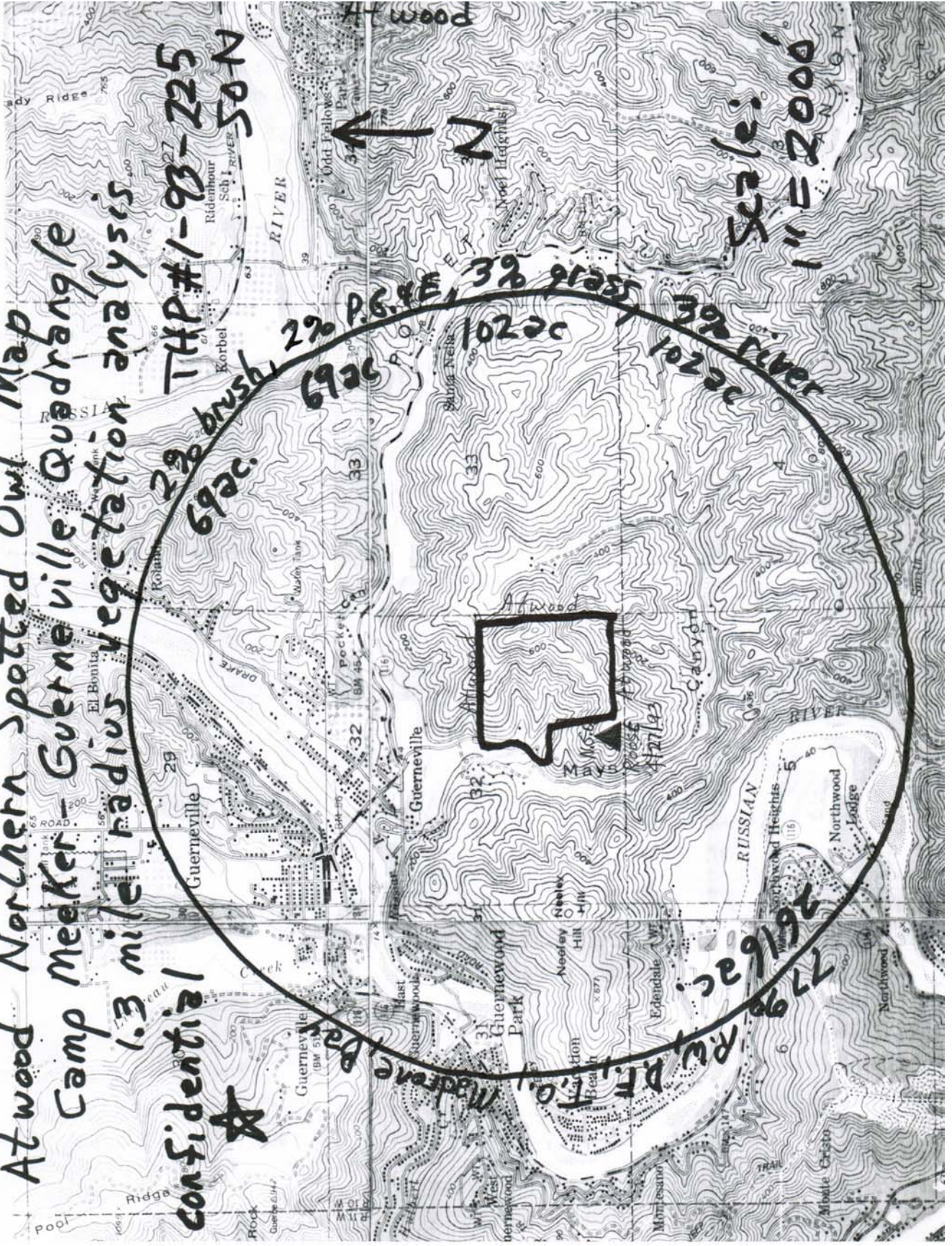
THP # 1-93-225
50N

2% brush
69ac

2% P.G. 4E
69ac

Madrone Park
7798
2616 ac

Scale: 1" = 2000'



MT Wood N.S.O. Map by Jim Berry

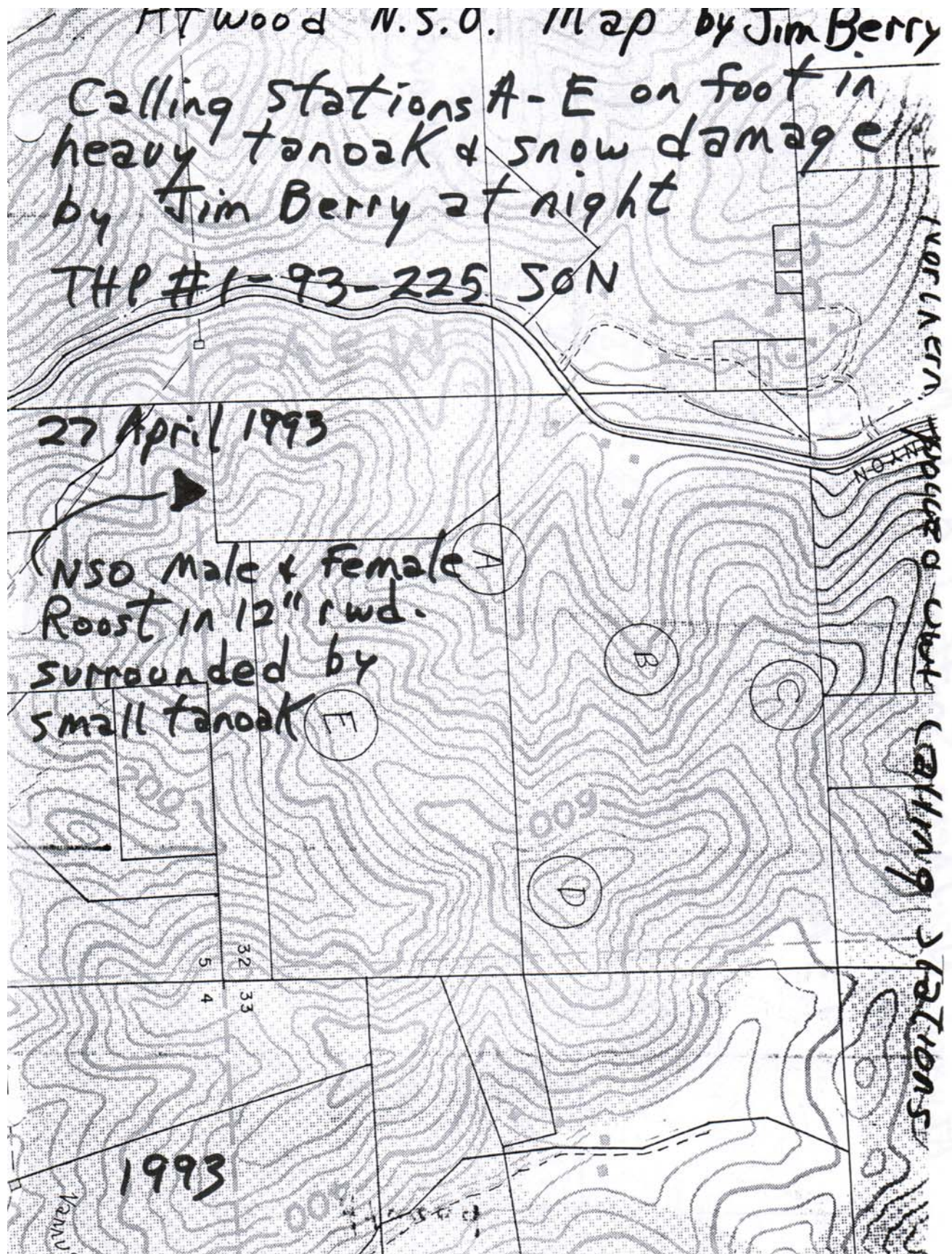
Calling stations A-E on foot in heavy tan oak & snow damage by Jim Berry at night

THP #1-93-225 SON

27 April 1993

NSO male & female
Roost in 12" rwd.
surrounded by
small tan oak

1993



| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------------------------------|---|--|---|--|
| 2230 2300 2330 0000 2050 | STATION A SEE MAP STATION B SEE MAP STATION C SEE MAP STATION D SEE MAP STATION E SEE MAP | All on foot away from rd P P P P | N/A N/A N/A N/A | NO NSO RESPONSE- SCREECH OWL NO NSO RESPONSE NO NSO RESPONSE-Guerneville -116TRAFFIC NO NSO RESPONSE Guerneville -116TRAFFIC NO NSO RESPONSE-SCREECH OWL |

DATE @ START 27 APRIL 1993 CALL # 2 OBSERVERS Jim Berrv and TED WOOSTER (SEE FIELD TA REPORT)

START TIME (2400 clock): 2030 END TIME: 2230 TOTAL TIME: 120

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no temp.range. 54-58 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------------------------------|---|--|---|---|
| 2030 2220 2200 2130 2050 | STATION A SEE MAP STATION B SEE MAP STATION C SEE MAP STATION D SEE MAP STATION E SEE MAP | P P P P P | N/A N/A N/A N/A | NO NSO RESPONSE- NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE MALE NSO- GUERVEVILLE & 116 NOISE Male and female roosting in 12 inch redwood- SEE MAP (TRIANGLE SYMBOL) |

ATWOOD N.S.O. ROOST DISCOVERY--4-27-93

On 4-27-93 the Station sequence was A, E, D, C, B. Voice call was made between 8:30-10:30 on this route. This NSO pair ignored a full 10 minutes of calls at Station E, but 300' toward Station D the female squawked twice with an enraged tone. She followed me up the ridge, calling continuously. After 3 direct flashes from my 4-cell mag-lite she hid behind the lowest canopy but called continuously. She was 30' above me for awhile, and very agitated and visible. After I traveled another 300' she quit calling and the male chimed in and challenged me through Stations C and D. A Sawwhet Owl was heard a number of times near Station C.

Wooster and Berry sighted both male and female near Station E at about noon the following day. They were 50' apart near a pre-commercial Redwood clump. There are limited flyways in this area because of heavy brush to the ground, composed of Poison Oak and Tan Oak. The commercial Douglas Fir and Redwood compose less than 20% of the top, or dominant, canopy in this area. The oldest trees in the area are 100-150 years old, not generally considered late seral.

This pair of owls were each given a white mouse and showed no tendency to share. After an hour of observation we concluded this pair was not currently nesting. This spot is believed to be a roosting location. This pair is not typical because of ridgetop instead of canyon roost, no packrat nests anywhere, poor flyways, and 130-acre property. Also this is the noisiest wildland location this forester can remember--Hwy 116 makes a 24 hour roar on this ridge. There are no decadent trees suitable for cavity nesting, but other nest trees are available.

No further calling on stations A, B, C, D will currently be needed according to Wooster. This pair will be monitored through the life of the THP by Berry and Wooster.

Seven 35mmX225mm telephoto pictures were taken.

PLAN NAME Atwood THP

NSO ASSIGN # _____ ORIG # _____
THP # 1-93-22550N

Date Referral Received by DFG: 4/27/93 Date RPF Notified: _____ Alternative Used: _____

Date Received by PNWB: _____ USGS Quad Name _____

by Designated Biologist: _____ (17.5" (115"

CALIFORNIA DEPARTMENT OF FISH AND GAME

NORTHERN SPOTTED OWL CONSULTATION CHECKLIST

A1 Plan Name Atwood THP
Plan Submitter Jim Berry
Watershed/Tributaries Mays Canyon Creek, Trib to Russian River
Township Range Sections County
T8N R10W 32 Sonoma

Plan Acres/Silviculture 128 - selection

| A2 | Document Review | Submitted | Needed | Explanation |
|----|---|-------------------------------------|-----------------------|--------------------------|
| | Plan Description | <input checked="" type="checkbox"/> | | |
| | Planimetric/Topographic Map | <input checked="" type="checkbox"/> | | |
| | Habitat Map (acres/location) | <input checked="" type="checkbox"/> | | On/Off Site _____ |
| | Aerial Photos (if available) | Source: <u>WAC</u> | Series/Date: _____ #: | |
| | NSO Location Map (1.3 Miles) | <input checked="" type="checkbox"/> | | Nest/Roost _____ |
| | DataBase (CDF Printout) | <input checked="" type="checkbox"/> | | Date/Results <u>none</u> |
| | (DFG Territory #) <u>new territory</u> | | | |
| | (submit database printout with referral request and consultation checklist) | | | |
| | Survey Data | | Results | |
| | <u>4/27/93 - TW + JB - ♀ + ♂ 50's</u> | | | |
| | <u>4/26/93 - JB - ♀ + ♂ 50's</u> | | | |

A3 Field Review
Review Participants Theodore Wovter, CFG + Jim Berry, Forester
Adequate Review Route () no yes Date 4/27/93 Explain _____
Accurate Maps () no yes Explain _____
Accurate Habitat Mapping () no yes Explain _____
Adequate Surveys () no yes Explain _____

Habitat Characteristics 2nd growth RW, DF + TO.
75-80 years old via
Whole hill was CC in 1921 - Great grandchildren
has photo

A4 Adequate information to complete this consultation has been submitted () no yes

PLAN NAME Atwood THP

NSO ASSIGN # _____ ORIG # _____
THP # 1-93-22550N

Project Evaluation

B1 NSO's detected within 1.3 miles of operations area? () no (x) yes Date last detected 4/27/93
NSO's present now? () unknown () yes: () onsite (x) 500' () 1000' () 0.7mi () 1.3mi
Will NSO habitat retention standards be met post-harvest? () no (x) yes Describe post-harvest habitat characteristics to support NSO's: area is generally nesting, roosting + forage habitat. After harvest should remain roosting + forage.

Estimated Habitat Retention Acres (pre/post harvest):

| | 500' | 1000' | 0.7mi | 1.3mi |
|------------------|--------------------|-------|-------|-------|
| Nest | / | / | / | / |
| Roost | <u>523 / 523</u> | / | / | / |
| 20% of Forage in | <u>2618 / 2618</u> | / | / | / |
| Non-Habitat | <u>714 / 714</u> | / | / | / |

B2 Will the proposed plan significantly disrupt, impair or modify (if YES or UNK, explain in B4):

| | NO | N/A | UNK | YES' |
|--|-------------------------------------|-----|-----|------|
| a. Local Movement (onsite or within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | | | |
| b. Dispersal Opportunity (within 1 mi of NSO) | <input checked="" type="checkbox"/> | | | |
| c. Prey Base (within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | | | |
| d. Foraging Habitat | <input checked="" type="checkbox"/> | | | |
| e. Roosting Structure | <input checked="" type="checkbox"/> | | | |
| f. Roosting Behavior | <input checked="" type="checkbox"/> | | | |
| g. Nesting Structure | <input checked="" type="checkbox"/> | | | |
| h. Nesting Behavior | <input checked="" type="checkbox"/> | | | |
| i. Other (predation, exposure, etc.) | <input checked="" type="checkbox"/> | | | |

B3 Is this consultation for more than one (1) THP? (x) no () yes

List all known NSO consultations within 1.3 mi of this survey area none

B4 Comments (evaluate adequacy of information provided, compliance with accepted guidelines, and features specific to this survey area) Birds were moved on 4/27/93. No evidence of nesting. Birds are several hundred feet away from plan area in a side hill draw.

(Name of preparer for Parts A & B, if different from designated biologist: _____)

PLAN NAME Atwood THP

NSO ASSIGN # _____ ORIG # _____
THP # I-93-22550N

C Determination

Pursuant to the Protocol for Surveying Proposed Management Activities that may Impact Northern Spotted Owls, endorsed and revised by the U.S. Fish and Wildlife Service (USFWS) on March 17, 1992, subsequent revisions to the protocol issued by the USFWS, and other scientific information available to me, I have concluded that (~~cross out inappropriate language and initial above each cross out~~):

- C1 The information provided ^{mw} ~~is/is not~~ sufficient to complete my evaluation.
- C2 The surveys provided to me ^{mw} ~~do/do not~~ conform to the Protocol issued and revised by USFWS.
- C3 The information provided to me and the field review of the plan and surrounding area lead me to conclude that:
 1. The plan area ^{mw} ~~is/is not~~ suitable northern spotted owl habitat;
 2. The plan area ^{mw} ~~has/has not~~ been adequately evaluated for the presence of northern spotted owls;
 3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ^{mw} ~~has/has not~~ been minimized; and
 4. The potential for this plan to result in the unauthorized "incidental take" of a northern spotted owl ~~has/has not~~ been minimized.

A determination that the potential for unauthorized incidental take has been minimized (C3, above) remains valid until the start of the breeding season in the year 1994. For operations to be conducted after the start of the breeding season in that year, surveys must be completed during the breeding season prior to the start of operations and submitted to DFG for evaluation.

This consultation checklist applies to a plan or proposal that (initial applicable findings):

- ^{mw} Does not need to be revised to minimize unauthorized incidental take.
- Has been revised to minimize unauthorized incidental take.
- Requires revisions in order to minimize unauthorized incidental take. The necessary revisions are described in the attached comments.
- For which the consultation checklist cannot be completed until additional information is submitted (Sections 919.10(C), 939.10(C)). The necessary information is described in the attached comments.

This consultation checklist ^{mw} ~~does/does not~~ include additional pages as indicated below:

- Comments describing necessary revisions or information, DFG 726-FORM 3A (number of pages _____).
- Confidential site information, DFG 726-FORM 3B (number of pages _____). (may include Spotted Owl Observation Report Form)

Signature Charles W. Wood
Designated Biologist

Print Name Charles W. Wood

Date Completed 5/29/93

Form Distribution:

- Original _____
- Copies
 - ESD (HQ) Program Office
 - RPF
 - CDF (Referral Office)
 - DFG (NSO Consultation Coordinator)

ATWOOD N.S.O. ROOST DISCOVERY--4-27-93

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No further calling on stations A, B, C, D will currently be needed according to Wooster. This pair will be monitored through the life of the THP by Berry and Wooster.

Seven 35mmX225mm telephoto pictures were taken.

End of Atwood THP #1-93-225 SON and beginning of Marra

Marra Northern Spotted Owl Map - Confidential

1.3 mile radius

Camp Meeker Quad. 7829 Rd DE
2447 Acres + 1.0 x 1.0 Madras

78 acres
204 acres
68 orchard

North



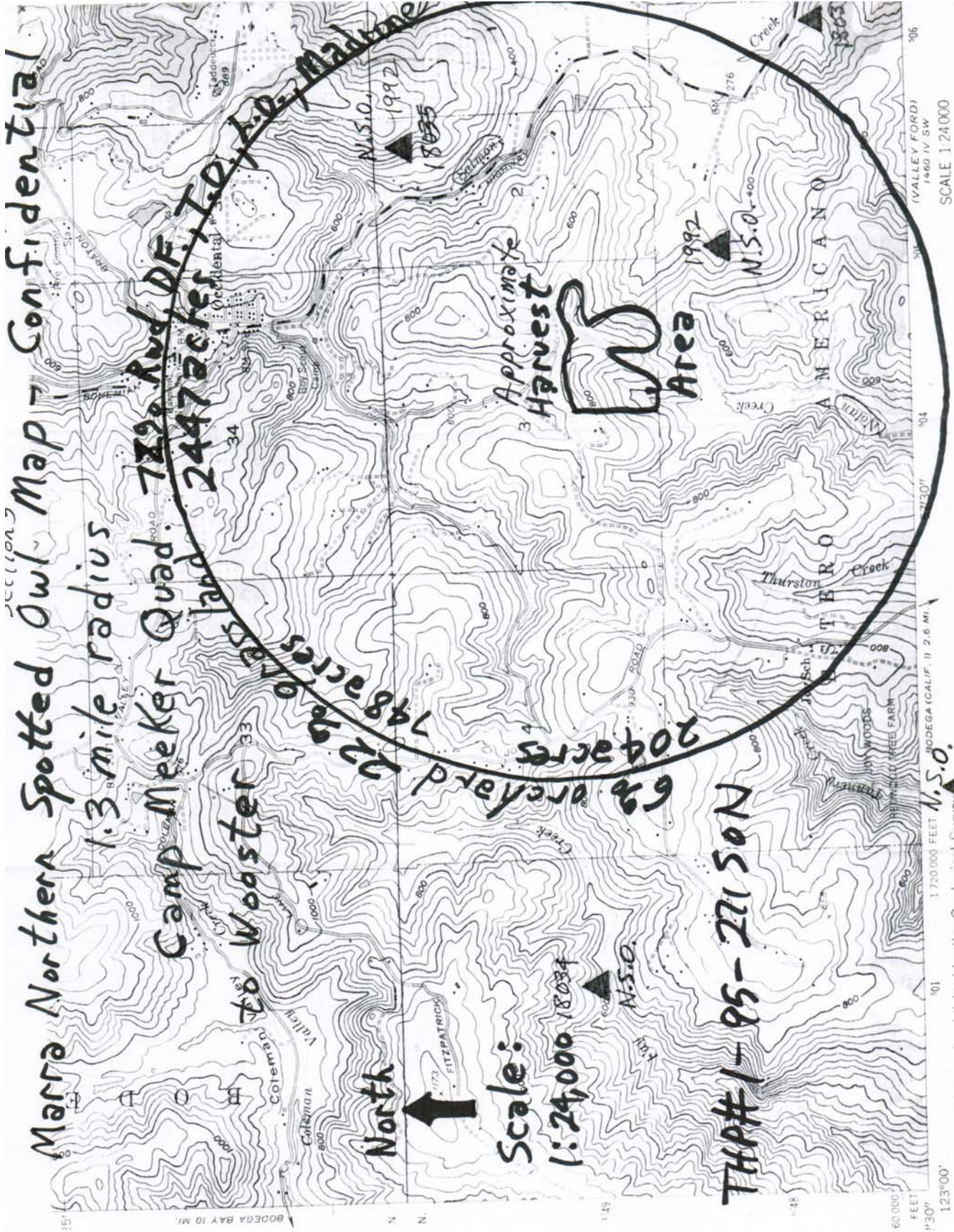
Scale:

1:24,000 18034

N.S.O.

THP# 1-95-27150N

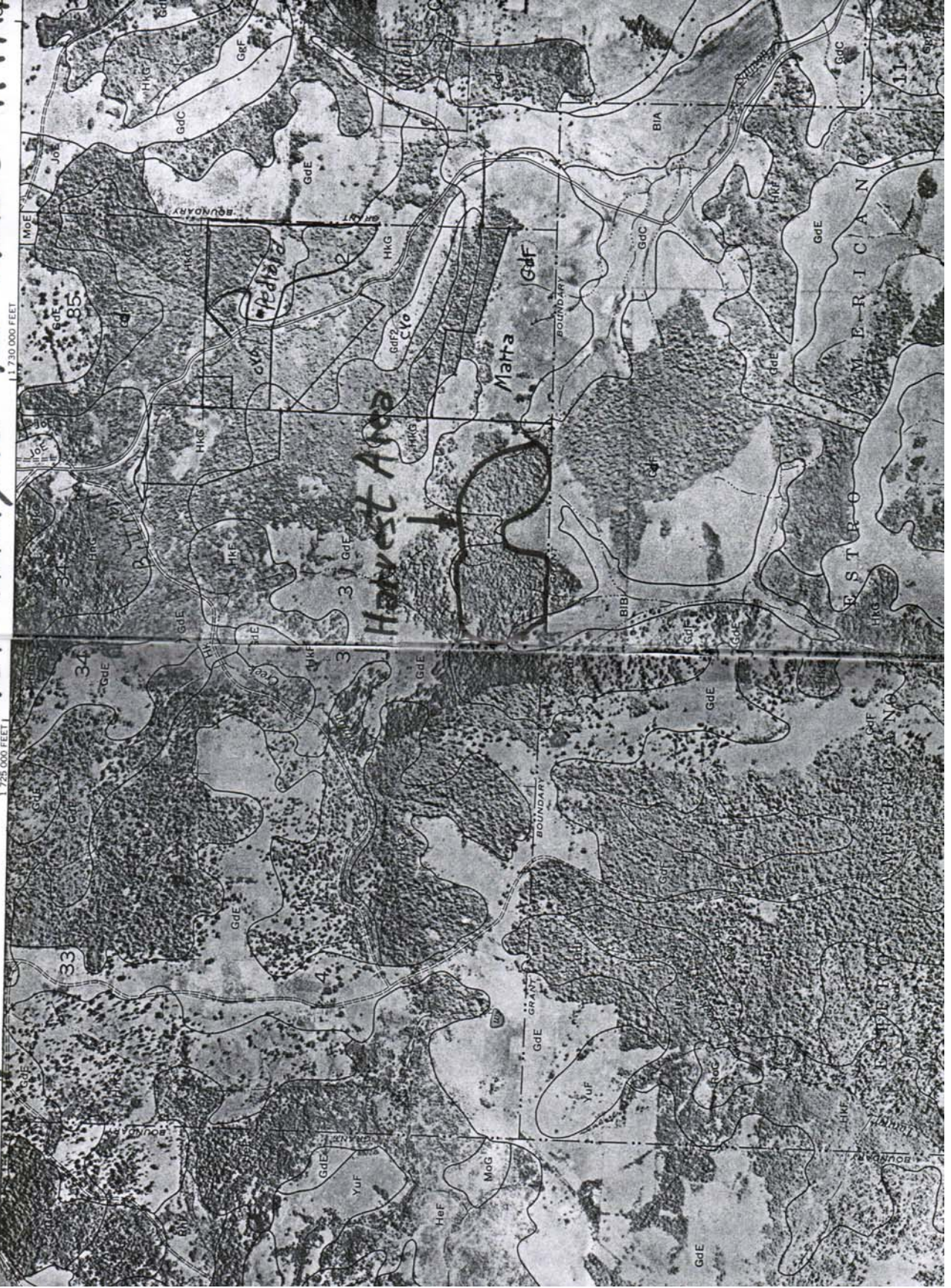
Approximate Harvest Area

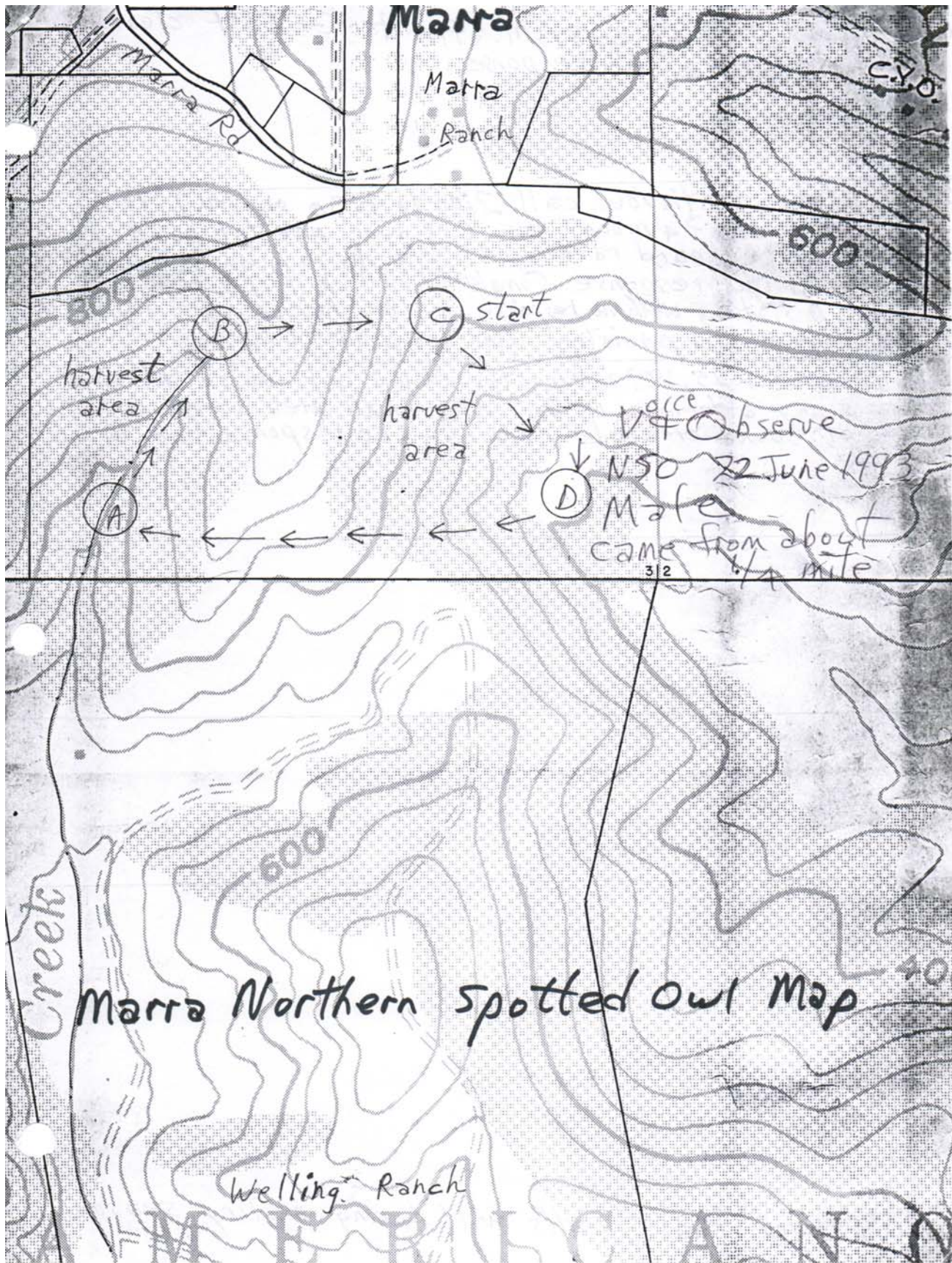


60,000 FEET
1:30"
123,000
1:20,000 FEET
1:2.5 MI.
1:24,000
SCALE 1:24,000

(VALLEY FORD)
1460 IV SW

8101 for Spotted Owl Habitat Analysis for Marra T.H.S.





Marra Northern Spotted Owl Map

NORTHERN SPOTTED OWL FIELD SURVEY FOR Marra 1992 CALLS 1,2,3

LANDOWNER **MARRA** THP#1-97-237 SON OBSERVERS Jim Berry CALL # 1 DFG TERRITORY NO. SON 0039

GENERAL LOCATION **Marra Road south of Bittner Road and south of Salmon Creek** Sonoma County Quad Name: Camp Meeker (7.5 Min & NAD 27) **S 14 & 23, T7N, R10W**

DATE @ START 27 October 1992 START TIME (2400 clock): 1825 END TIME: 1945 TOTAL TIME: 80

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 45 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------------|---|--|---|--|
| 1910 1935 1805 1825 | STATION A SEE MAP STATION B SEE MAP STATION C SEE MAP STATION D SEE MAP | P P P P | N/A N/A N/A N/A | NO NSO RESPONSE- NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE |

DATE @ START 7 November 1992 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 1410 END TIME: 1515 TOTAL TIME: 65

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no temp.range. 69-77 degrees F

| | | | | |
|------|-------------------|---|-----|------------------|
| 1505 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 1530 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 1410 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |
| 1440 | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |

DATE @ START 25 November 1992 CALL # 3 OBSERVERS Jim Berry and Ted Wooster

START TIME (2400 clock): 1405 END TIME: 1535 TOTAL TIME: 90

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze temp. range 65 degrees F

| | | | | |
|------|-------------------|---|-----|------------------|
| 1500 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 1525 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 1405 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |
| 1430 | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY FOR Marra 1993 CALLS 4,5,6

LANDOWNER **MARRA** THP# **1-97-237 SON** OBSERVERS Jim Berry CALL # 4 DFG TERRITORY NO. SON 0039

GENERAL LOCATION **Marra Road south of Bittner Road and south of Salmon Creek** Quad Name: Camp Meeker (7.5 Min & NAD 27)
S 14 & 23, T7N, R10W

DATE @ START 13 April 1993 START TIME (2400 clock): 2125 END TIME: 2250 TOTAL TIME: 75

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no
 49-51 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2125 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 2143 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 2200 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |
| 2240 | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |

DATE @ START 22 June 1993 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 1410 END TIME: 1515 TOTAL TIME: 65

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no
 temp.range. 69-77 degrees F

| | | | | |
|------|-------------------|---|-----|-------------------|
| 1505 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 1530 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 1410 | STATION C SEE MAP | P | N/A | MALE NSO RESPONSE |
| 1440 | STATION D SEE MAP | P | N/A | MALE NSO RESPONSE |

DATE @ START 8 July 1993 CALL # 6 OBSERVERS Jim Berry

START TIME (2400 clock): 2217 END TIME: 2320 TOTAL TIME: 63

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 65 degrees F

| | | | | |
|------|-------------------|---|-----|--|
| 2250 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 2310 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 2217 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |
| 2240 | STATION D SEE MAP | P | N/A | MALE NSO RESPONSE from dense laurel stand ¼ mile across field in direction of SON 0039 (Quail Hill) |

NORTHERN SPOTTED OWL DATABASE
Recorded Observation Information Request
(one plan only per each request)

TO: California Department of Forestry & Fire Protection
P.O. Box 670
Santa Rosa, CA 95401

Attn: Forest Practice

REQUESTER:

Name: Loren M. Berry
Address: P.O. Box 90
Cazadero, CA 95421

Phone: 707-865-2365

LOCATION:

Plan Name: Marra

County (s) Sonoma
Camp Meeker Quad.

Legal Description of Plan Area

Tnshp 6N Rng 10W Sctn(s) 3; ___; ___; ___; ___; ___
Tnshp ___ Rng ___ Sctn(s) ___; ___; ___; ___; ___; ___
Tnshp ___ Rng ___ Sctn(s) ___; ___; ___; ___; ___; ___
Tnshp ___ Rng ___ Sctn(s) ___; ___; ___; ___; ___; ___

Legal Description of Sections within 1.5 miles of Plan Area

Tnshp 7N Rng 10W Sctn(s) 33; 34; 35; ___; ___; ___
Tnshp ___ Rng ___ Sctn(s) ___; ___; ___; ___; ___; ___
Tnshp ___ Rng ___ Sctn(s) ___; ___; ___; ___; ___; ___
Tnshp 6N Rng 10W Sctn(s) 2; 3; 4; 9; 10; 11
Tnshp ___ Rng ___ Sctn(s) ___; ___; ___; ___; ___; ___

Map: Attached is a map showing the location of potential operations taken from the USGS 7.5 minute topographic quadrangles _____.

SIGNATURE: Loren M. Berry RPF # 1193

CDF Use Only

DATE RECEIVED:

DATE RESPONSE MAILED: 6/20/94
REQUEST ID NUMBER: 543

1NSORQST.4M

Received CDF
REGION 1

JUN 16 1994

RESOURCE MANAGEMENT

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

APRIL 1, 1994 DATA

REPORT #1

REPORT OF AREAS SEARCHED

| COUNTY áááááá | TOWNSHIP áááááááá | RANGE ááááá | SECTION ááááááá | TERRITORY ááááááááá |
|------------------|----------------------|----------------|--------------------|------------------------|
| SO | 06N | 10W | 2 | ** NO OWLS KNOWN ** |
| SO | 06N | 10W | 3 | ** NO OWLS KNOWN ** |
| SO | 06N | 10W | 4 | ** NO OWLS KNOWN ** |
| SO | 06N | 10W | 9 | ** NO OWLS KNOWN ** |
| SO | 06N | 10W | 10 | ** NO OWLS KNOWN ** |
| SO | 06N | 10W | 11 | ** NO OWLS KNOWN ** |
| SO | 07N | 10W | 11 | ** NO OWLS KNOWN ** |
| SO | 07N | 10W | 33 | ** NO OWLS KNOWN ** |
| SO | 07N | 10W | 34 | ** NO OWLS KNOWN ** |
| SO | 07N | 10W | 35 | ** NO OWLS KNOWN ** |

NOTE: THREE SEPERATE REPORTS ARE GENERATED IF NORTHERN SPOTTED OWL RECORDS ARE KNOWN FROM THE REQUESTED AREA. THE SECOND AND THIRD REPORTS WILL NOT PRINT IF OBSERVATIONS RECORDS ARE NOT FOUND.

707-865-2048

PLAN NAME Marra THP

NSO ASSIGN # _____ ORIG # _____

THP # _____

Date Referral Received by DFG: 11/25/92 Date RFP Notified: _____

1-95-271 SON

Alternative Used: _____

Date Referral Received by CDF: _____

USGS Quad Name Camp Meader

(Date Referral Received by Designated Biologist: 11/25/92 (DB fill in))

WT.5° (115°

**CALIFORNIA DEPARTMENT OF FISH AND GAME
NORTHERN SPOTTED OWL CONSULTATION CHECKLIST**

A1 Plan Submitter Marra

Consultation Information Submitter Jim Berry + Ted Wovaten

Watershed/Tributaries Salmon Creek

Township T6N Range R10W Sections 3 County Sonoma

Plan Acres/Silviculture ± 50 acres - selection

A2 Document Review Submitted _____ Needed _____ Explanation _____

Plan Description _____

Planimetric/Topographic Map _____

Habitat Map (acres/location) On/Off Site _____

Aerial Photos (if available) Source: SCS Series/Date: _____ #: _____

NSO Location Map (1.3 Miles) Nest/Roost _____

DataBase (CBF Printout) Date/Results 5/16/95

(DFG Territory #) 50039

(submit database printout with referral request and consultation checklist)

Survey Data Results Pair nearby.

Called in 1992 + 1993. Only NSO in the Quail

Hollow Ranch pair, also 2 called area in 1994 + still

A3 Field Review got Quail Hollow NSO's

Review Participants Theodore Wovaten + Jim Berry

Adequate Review Route () no () yes Date 11/25/92 Explain _____

Accurate Maps () no () yes Explain 4/17/94

Accurate Habitat Mapping () no () yes Explain _____

Adequate Surveys () no () yes Explain _____

Habitat Characteristics 2nd growth RW, almost a pure

stand of RW, little diversity.

PLAN NAME Mano THP

NSO ASSIGN # _____ ORG # _____
THP # _____

1-97-237 SON

Project Evaluation

B1 NSO's detected within 1.3 miles of operations area? ()no (x)yes Date last detected 4/17/94
 NSO's present now? ()unknown (x)yes: ()onsite ()500' ()1000' (x)0.7mi ()1.3mi
 Will NSO habitat retention standards be met post-harvest? ()no (x)yes Describe post-harvest habitat characteristics to support NSO's: selection silviculture will maintain forage/roosting value of stand

Estimated Habitat Retention Acres (pre/post harvest):

| | 500' | 1000' | 0.7mi | 1.3mi |
|-------------|-------|-------|-------|-------------------|
| Nest | _____ | _____ | _____ | _____ |
| Roost | _____ | _____ | _____ | <u>2447/ 2447</u> |
| Forage | _____ | _____ | _____ | _____ |
| Non-Habitat | _____ | _____ | _____ | <u>952/ 952</u> |

B2 Is this consultation for more than one (1) THP? (x)no ()yes

List all known NSO consultations within 1.3 mi of this survey area
Quail Hollow Ranch THP

B3 Will the proposed plan significantly disrupt, impair or modify (if YES or UNK, explain in B4):

| | NO | N/A | UNK | YES |
|--|-------------------------------------|-------|-------|-------|
| a. Local Movement (onsite or within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| b. Dispersal Opportunity (within 1 mi of NSO) | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| c. Prey Base (within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| d. Foraging Habitat | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| e. Roosting Structure | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| f. Roosting Behavior | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| g. Nesting Structure | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| h. Nesting Behavior | <input checked="" type="checkbox"/> | _____ | _____ | _____ |
| i. Other (predation, exposure, etc.) | <input checked="" type="checkbox"/> | _____ | _____ | _____ |

B4 Comments (evaluate adequacy of information provided, compliance with accepted guidelines, and features specific to this survey area)

Known SO to the south of plan, SO has been surveyed since 1991.

(Name of preparer for Parts A & B, if different from designated biologist: _____)

PLAN NAME Manua THP

NSO ASSIGN # _____ ORG # _____

THP # _____

1-97-23750N

Consultation Determination

(ENTRIES ON THIS PAGE CAN BE COMPLETED ONLY BY DESIGNATED BIOLOGIST) (CROSS OUT INAPPROPRIATE LANGUAGE AND INITIAL ABOVE EACH CROSS OUT):

Pursuant to the Protocol for Surveying Proposed Management Activities that may impact Northern Spotted Owls, endorsed and revised by the U.S. Fish and Wildlife Service (USFWS) on March 17, 1992, subsequent revisions to the protocol issued by the USFWS, and other scientific information available to me, I ~~have~~ ^{two} verified in the field the information submitted and have concluded that:

- C1 The information provided ~~is~~ ^{two} sufficient to complete my evaluation.
- C2 The surveys provided to me ~~do/did~~ conform to the Protocol issued and revised by USFWS.
- C3 The information provided to me and the field review of the plan and surrounding area lead me to conclude that:
 - C3-1. The plan area ~~is/is not~~ suitable northern spotted owl habitat.
 - C3-2. The project area and surrounding habitat ~~has/have~~ been adequately evaluated for the presence of northern spotted owls.
 - C3-3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ~~is/is not~~ likely; and
 - C3-4. The potential for this plan to result in the "unauthorized incidental take" of a northern spotted owl ~~is/is not~~ likely.

A determination that the potential for unauthorized incidental take has been minimized (C3, above) remains valid until the start of the breeding season in the year 1996. For operations to be conducted after the start of the breeding season in that year, surveys must be completed during the breeding season prior to the start of operations and submitted for re-evaluation.

This consultation checklist applies to a plan or proposal that (initial applicable findings):

- C4() Does not need to be revised to minimize unauthorized incidental take.
- C5() Has been revised to minimize unauthorized incidental take, as described in the attached comments.
- C6() Requires revisions in order to minimize unauthorized incidental take, as described in the attached comments.
- C7() For which the consultation checklist cannot be completed until additional information is submitted (Sections 919.10(C), 939.10(C)). The necessary information is described in the attached comments.

This consultation checklist ~~does~~ ^{do} not include additional pages as indicated below:

- CB() Comments describing necessary revisions or information, DFG 726-FORM 3A.5 (number of pages _____).
- CC() Confidential site information, DFG 726-FORM 3B.5 (number of pages _____). (may include Spotted Owl Observation Report Form)

Signature Theodore W Wooster

Designated Biologist

Print Name Theodore W Wooster

Date Completed 6/18/95

Form Distribution:

- Original () Designated Biologist
- Copies () RPF
- () CDF (Referral Office)
- () DFG (NSO Consultation Coordinator)

End of Marra Calls- and Beginning of Guidici data

U.S.D. Data Base Request Map
Guidici TWP # 1-96-080 50 N



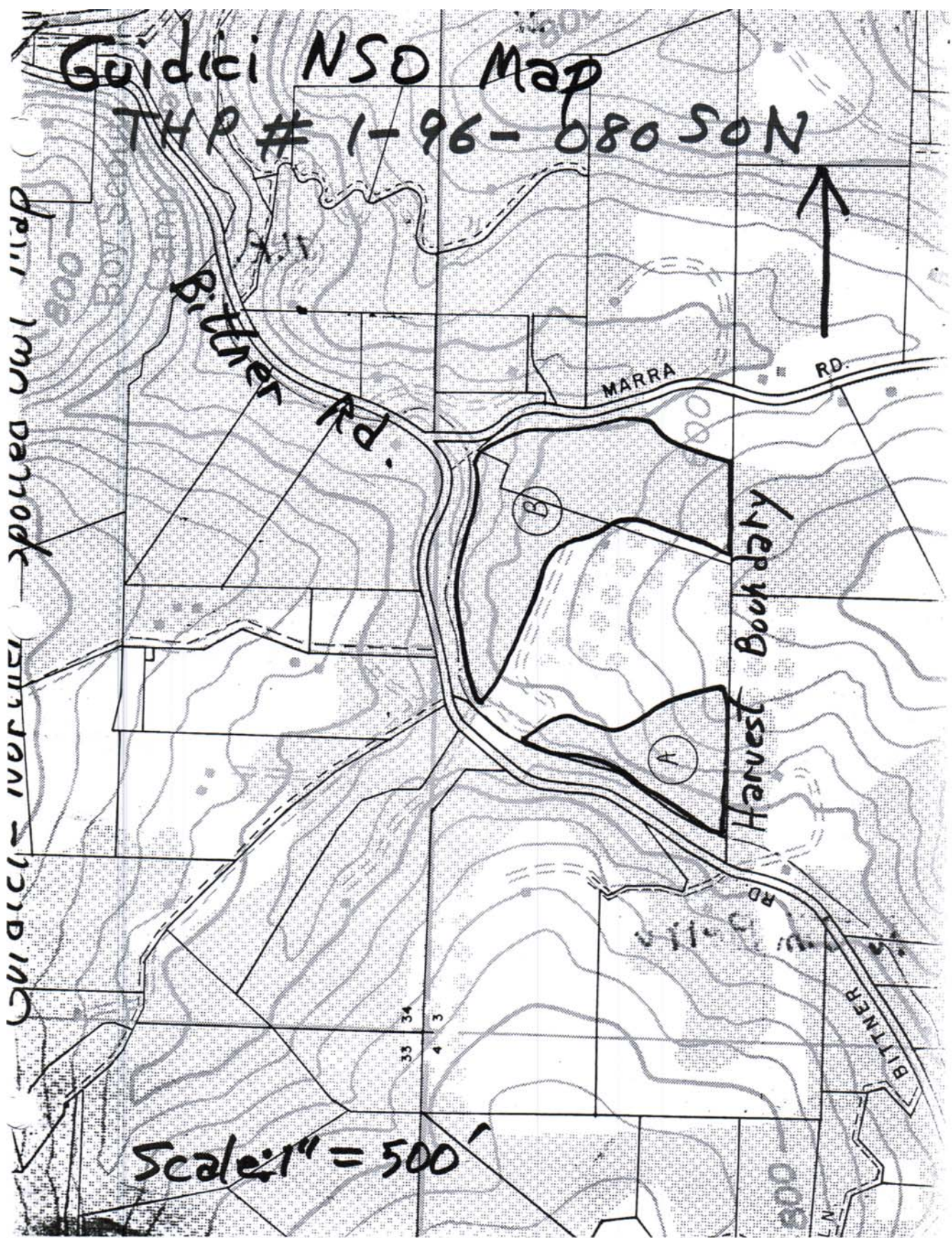
Mapped, edited, and published by the Geological Survey
Control by USGS and USCG&GS

SCALE 1:24000
VALLEY FORD
1960 IV SW

Guidici NSO Map

THP # 1-96-08050N

Guidici - over the map



Scale: 1" = 500'

NORTHERN SPOTTED OWL DATABASE
Recorded Observation Information Request
(one plan only per each request)

TO: California Department of Forestry & Fire Protection
P.O. Box 670
Santa Rosa, CA 95401

Attn: Forest Practice

REQUESTER:

Name: Loren M. Berry
Address: P.O. Box 90
Cazadero, CA 95421

Phone: 707-865-2365

LOCATION:

Plan Name: Guidici

County (s) Sonoma

Legal Description of Plan Area

Tnshp 6N Rng 10W Sctn(s) 3 ; ; ; ; ; ;
Tnshp _____ Rng _____ Sctn(s) _____ ; _____ ; _____ ; _____ ; _____ ; _____
Tnshp _____ Rng _____ Sctn(s) _____ ; _____ ; _____ ; _____ ; _____ ; _____
Tnshp _____ Rng _____ Sctn(s) _____ ; _____ ; _____ ; _____ ; _____ ; _____

Legal Description of Sections within 1.5 miles of Plan Area

Tnshp 6N Rng 10W Sctn(s) 9 ; 10 ; 11 ; 2 ; 4 ; _____
Tnshp 7N Rng 10W Sctn(s) 33 ; 34 ; 35 ; _____ ; _____ ; _____
Tnshp _____ Rng _____ Sctn(s) _____ ; _____ ; _____ ; _____ ; _____ ; _____
Tnshp _____ Rng _____ Sctn(s) _____ ; _____ ; _____ ; _____ ; _____ ; _____
Tnshp _____ Rng _____ Sctn(s) _____ ; _____ ; _____ ; _____ ; _____ ; _____

Map: Attached is a map showing the location of potential operations taken from the USGS 15 minute topographic quadrangles _____.

SIGNATURE: Loren M. Berry RPF # 1193

CDF Use Only

DATE RECEIVED:

DATE RESPONSE MAILED: MAR 01 1996
REQUEST ID NUMBER: 1026

Received CDF
REGION 1

INSORQST.4M

MAR 01 1996

RESOURCE MANAGEMENT

(45a)

NORTHERN SPOTTED OWL FIELD SURVEY FOR Guidici 1992 CALLS 1,2,3

LANDOWNER **Guidici** THP#1-94-288 SON CALL # 1 OBSERVERS Jim Berry DFG TERRITORY NO. SON 0015

GENERAL LOCATION **Marra Road and Bittner Road and south of Salmon Creek** Quad Name: Camp Meeker 7.5 Min _____ Quad Name: Camp Meeker (7.5 Min. & NAD 27) **S 3, T7N, R10W**

DATE @ START 27 October 1992 START TIME (2400 clock): 2130 END TIME: 2200 TOTAL TIME: 30

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 54 F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|---|
| 2130 2150 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- Bittner Road NO NSO RESPONSE Bittner Road |

DATE @ START 9 November 1992 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 2100 END TIME: 2130 TOTAL TIME: 30

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no temp.range. 38 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|---|
| 2100 2120 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- Bittner Road NO NSO RESPONSE Bittner Road |

DATE @ START 25 November 1992 CALL # 3 OBSERVERS Jim Berry and Ted Wooster

START TIME (2400 clock): 1406 END TIME: 1430 TOTAL TIME: 24

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze temp. range 65degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|---|
| 1406 1420 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- Bittner Road noise NO NSO RESPONSE Bittner Road |

NORTHERN SPOTTED OWL FIELD SURVEY FOR Guidici 1993 CALLS 4,5,6

LANDOWNER **Guidici** **THP#1-94-288 SON** CALL # 4 OBSERVERS Jim Berry DFG TERRITORY NO. SON 0015

GENERAL LOCATION **Marra Road and Bittner Road and south of Salmon Creek** Quad Name: Camp Meeker 7.5 Min _____ Quad Name: Camp Meeker (7.5 Min. & NAD 27) **S 3, T7N, R10W**

DATE @ START 13 April 1993 START TIME (2400 clock): 2230 END TIME: 2255 TOTAL TIME: 25

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no
54 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|--|
| 2245 2230 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- Bittner Road NO NSO RESPONSE Bittner Road |

DATE @ START 22 June 1993 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 2100 END TIME: 2130 TOTAL TIME: 30

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no
temp.range. 53 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|--|
| 2100 2120 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- Bittner Road NO NSO RESPONSE Bittner Road |

DATE @ START 8 July 1993 CALL # 6 OBSERVERS Jim Berry

START TIME (2400 clock): 0025 END TIME: 0055 TOTAL TIME: 25

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze temp. range 48
degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 0045 0025 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- Bittner Road noise NO NSO RESPONSE Bittner Road |

NORTHERN SPOTTED OWL FIELD SURVEY FOR Guidici 1996 CALLS 7,8,9

LANDOWNER Guidici THP#1-94-288 SON OBSERVERS Jim Berry CALL # 4 DFG TERRITORY NO. SON 0015

GENERAL LOCATION Marra Road and Bittner Road and south of Salmon Creek Quad Name: Camp Meeker 7.5 Min Quad Name: Camp Meeker (7.5 Min. & NAD 27) S 3, T7N, R10W

DATE @ START 8 March 1996 CALL # 7 START TIME (2400 clock): 2004 END TIME: 2029 TOTAL TIME: 25

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 54 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------|---|--|--|--|
| 2019 2004 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- Bittner Road NO NSO RESPONSE Bittner Road |

DATE @ START 18 March 1996 CALL # 8 OBSERVERS Jim Berry

START TIME (2400 clock): 2100 END TIME: 2130 TOTAL TIME: 30

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no temp.range. 53 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------|---|--|--|--|
| 2100 2120 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- Bittner Road NO NSO RESPONSE Bittner Road |

DATE @ START 25 March 1996 CALL # 9 OBSERVERS Jim Berry

START TIME (2400 clock): 1940 END TIME: 2005 TOTAL TIME: 25

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 48 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------|---|--|---|---|
| 1955 1940 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- Bittner Road noise NO NSO RESPONSE Bittner Road |

NAME Quidici THP

NSO ASSIGN # _____ ORIG # _____
THP # _____

Date Referral Received by DFG: 11/25/92 Date RPF Notified: _____

1-96-08050N
Alternative Used: _____

Date Referral Received by CDF: _____

USGS Quad Name Camp Meeker

(Date Referral Received by Designated Biologist: 11/25/92 (DB fill in))

(47.5" (115"

CALIFORNIA DEPARTMENT OF FISH AND GAME

NORTHERN SPOTTED OWL CONSULTATION CHECKLIST

A1 Plan Submitter Jim Berry
Consultation Information Submitter Jim Berry + Theodore Wooster
Watershed/Tributaries _____

Township T6N Range R10W Sections 3 County Sonoma

Plan Acres/Silviculture 17 acres - selection

A2 Document Review Submitted _____ Needed _____ Explanation _____
Plan Description _____
Planimetric/Topographic Map _____
Habitat Map (acres/location) _____ On/Off Site both
Aerial Photos (if available) Source: SCS aerial Series/Date: _____ #: _____
NSO Location Map (1.3 Miles) _____ Nest/Roost both
DataBase (GDS Printout) _____ Date/Results 5/16/95

(DFG Territory #) 50 15, 50 39 + 50 37

(submit database printout with referral request and consultation checklist)

Survey Data Results
10/27/92, 11/9/92, 11/25/92, 4/13/93, 6/22/93
7/8/93 J.B.-NR

A3 Field Review
Review Participants Theodore Wooster and Jim Berry

Adequate Review Route (yes) Date 11/25/92 Explain _____

Accurate Maps (yes) Explain _____

Accurate Habitat Mapping (yes) Explain _____

Adequate Surveys (yes) Explain area has been surveyed for several years. These sets of NSO's are known in area + have been kept track of by Wooster

Habitat Characteristics area is 2nd growth Redwood. They are in clumps in grassland area. at landscape level

PLAN NAME Gurdisi

NSO ASSIGN # _____ ORIG # _____
THP # _____

1-96-080 SON

Project Evaluation

B1 NSO's detected within 1.3 miles of operations area? () no () yes Date last detected 1995
NSO's present now? unknown () yes: () onsite () 500' () 1000' () 0.7mi () 1.3mi

Will NSO habitat retention standards be met post-harvest? () no () yes Describe post-harvest habitat characteristics to support NSO's: Forage before, Forage after with selective silviculture. Canopy will be opened up. Canopy will not change significantly.

Estimated Habitat Retention Acres (pre/post harvest):

| | 500' | 1000' | 0.7mi | 1.3mi |
|-------------|------|-------|-------|-----------------------------|
| Nest | | | | |
| Roost | | | | { 1831, 1831 } around 50 15 |
| Forage | | | | |
| Non-Habitat | | | | 1567, 1567 |

B2 Is this consultation for more than one (1) THP? () no () yes

List all known NSO consultations within 1.3 mi of this survey area
Jacopetti + Pedrosa THP 1-91-098 SON

B3 Will the proposed plan significantly disrupt, impair or modify (if YES or UNK, explain in B4):

| | NO | N/A | UNK | YES |
|--|----|-----|-----|-----|
| a. Local Movement (onsite or within 0.5 mi of NSO) | ✓ | — | — | — |
| b. Dispersal Opportunity (within 1 mi of NSO) | ✓ | — | — | — |
| c. Prey Base (within 0.5 mi of NSO) | ✓ | — | — | — |
| d. Foraging Habitat | ✓ | — | — | — |
| e. Roosting Structure | ✓ | — | — | — |
| f. Roosting Behavior | ✓ | — | — | — |
| g. Nesting Structure | ✓ | — | — | — |
| h. Nesting Behavior | ✓ | — | — | — |
| i. Other (predation, exposure, etc.) | ✓ | — | — | — |

B4 Comments (evaluate adequacy of information provided, compliance with accepted guidelines, and features specific to this survey area)

NSO's not expected on plan area due to lack of canopy, public road through area, adjacent open areas + several houses nearby. Area will be called three times anyway. Plan silviculture will not change total amount of forage habitat available in "bullseye"

(Name of preparer for Parts A & B, if different from designated biologist: _____)

NAME Quindici THP

NSO ASSIGN # _____ ORIG # _____
THP # _____

1-96-08050N

Consultation Determination

ENTRIES ON THIS PAGE CAN BE COMPLETED ONLY BY DESIGNATED BIOLOGIST (CROSS OUT INAPPROPRIATE language and initial above each cross out):

Pursuant to the Protocol for Surveying Proposed Management Activities that may impact Northern Spotted Owls, endorsed and revised by the U.S. Fish and Wildlife Service (USFWS) on March 17, 1992, subsequent revisions to the protocol issued by the USFWS, and other scientific information available to me, I ~~have~~ ^{have not} verified in the field the information submitted and have concluded that:

- C1 The information provided ~~is~~ ^{is not} sufficient to complete my evaluation.
- C2 The surveys provided to me ~~do~~ ^{do not} conform to the Protocol issued and revised by USFWS.
- C3 The information provided to me and the field review of the plan and surrounding area lead me to conclude that:
 - C3-1. The plan area ~~is~~ ^{is not} suitable northern spotted owl habitat. (page only)
 - C3-2. The project area and surrounding habitat ~~has~~ ^{has not} been adequately evaluated for the presence of northern spotted owls;
 - C3-3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ~~is~~ ^{is not} likely; and
 - C3-4. The potential for this plan to result in the "unauthorized incidental take" of a northern spotted owl ~~is~~ ^{is not} likely.

A determination that the potential for unauthorized incidental take has been minimized (C3. above) remains valid until the start of the breeding season in the year 1997. For operations to be conducted after the start of the breeding season in that year, surveys must be completed during the breeding season prior to the start of operations and submitted for re-evaluation.

This consultation checklist applies to a plan or proposal that (initial applicable findings):

- C4() Does not need to be revised to minimize unauthorized incidental take.
- C5() ^{pn} Has been revised to minimize unauthorized incidental take, as described in the following ~~attached~~ comments. 3 evening calls in March - May 1996
- C6() Requires revisions in order to minimize unauthorized incidental take, as described in the attached comments.
- C7() For which the consultation checklist cannot be completed until additional information is submitted (Sections 919.10(C), 939.10(C)). The necessary information is described in the attached comments.

This consultation checklist ~~does~~ ^{pn} ~~not~~ include additional pages as indicated below:

- C8() Comments describing necessary revisions or information, DFG 726-FORM 3A.5 (number of pages _____).
- C9() Confidential site information, DFG 726-FORM 3B.5 (number of pages _____). (may include Spotted Owl Observation Report Form)

Signature Theodore Wooster
Designated Biologist
Print Name Theodore W Wooster
Date Completed 3/8/96

Form Distribution:

- Original Designated Biologist
- Copies RPF
- CDF (Referral Office)
- DFG (NSO Consultation Coordinator)

End of Guidici THP#1-96-080 SON and
 Beginning of Presbytery of the Redwoods (Westminster) THP#1-92-163 SON
NORTHERN SPOTTED OWL FIELD SURVEY-Starrett-Torr 1991-92 CALLS 1,2,3

LANDOWNER **TORR THP#1-93-041 SON** DFG TERRITORY NO. SON 0031 CALL # 1 OBSERVERS Jim Berry

GENERAL LOCATION **one mile south of Monte Rio and west of Main St.** Quad Name: Camp Meeker (7.5 Min. & NAD 27) **S 18 & 21, T7N, R10W**

DATE @ START 3 Dec 1991 START TIME (2400 clock): 1900 END TIME: 2210 TOTAL TIME: 190

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d

WEATHER (BOLD): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 40-45 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (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 | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| 2200 | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION D-North Rogina Canyon | P | N/A | NSO RESPONSE AFTER 2 1/2 MINUTES |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| | STATION G-Marie Canyon | P | N/A | NO NSO RESPONSE |
| | STATION H-Crawford Gulch | P | V | MALE NSO RESPONSE FOR 10 MINUTES |

DATE @ START 12 Dec 1991 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 2200 END TIME: 2242 TOTAL TIME: 102

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no temp.range. 69-77 degrees F

| | | | | |
|------|--------------------------------|---|-----|------------------|
| 1900 | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| 2100 | STATION D-North Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| | STATION G-Marie Canyon | | | NO NSO RESPONSE |
| 2200 | STATION H-Crawford Gulch | | | NO NSO RESPONSE |

DATE @ START 13 Jan 1992 CALL # 3 OBSERVERS Jim Berry and Ted Woster

START TIME (2400 clock): 1800 END TIME: 1951 TOTAL TIME: 111

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 69-80 F

| | | | | |
|--------------------|--------------------------------|---|-----|------------------|
| No time entered | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION D-North Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| | STATION G-Marie Canyon | | | NO NSO RESPONSE |
| | STATION H-Crawford Gulch | | | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY FOR Starrett-Torr 1992 CALLS 4, 5, 6

LANDOWNER **TORR** THP#1-93-041 SON OBSERVERS Jim Berry, Ted Wooster CALL # 4 DFG TERRITORY NO. SON 0031

GENERAL LOCATION **one mile south of Monte Rio and west of Main St.** Quad Name: Camp Meeker 7.5 Min Yes
S 18 & 21, T7N, R10W HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d

DATE @ START 18 April 1992 START TIME (2400 clock): 1900 END TIME: 2200 TOTAL TIME: 180

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 40-45 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 1900 | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| TO | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION D-North Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| 2200 | STATION G-Marie Canyon | P | N/A | NO NSO RESPONSE |
| | STATION H-Crawford Gulch | P | V | NSO RESPONSE |

DATE @ START 12 Dec 1991 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 1900 END TIME: 2232 TOTAL TIME: 212

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no
temp.range. 69-77 degrees F

| | | | | |
|------|--------------------------------|---|-----|------------------|
| 1900 | STATION A-Michele Canyon | P | N/A | NO NSO RESPONSE- |
| TO | STATION B-Landing #2 | P | N/A | NO NSO RESPONSE |
| | STATION C-South Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION D-North Rogina Canyon | P | N/A | NO NSO RESPONSE |
| | STATION E-Ridge top Landing #4 | P | N/A | NO NSO RESPONSE |
| | STATION F-24' by 40' culvert | P | N/A | NO NSO RESPONSE |
| | STATION G-Marie Canyon | | | NO NSO RESPONSE |
| 2232 | STATION H-Crawford Gulch | | | NO NSO RESPONSE |

DATE @ START 23 October 1992 CALL # 6 OBSERVERS Jim Berry and Ted Woster

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 69-80 F

| | | | | |
|-----------|--------------------------|---|---|---|
| 11:00 AM | STATION H-Crawford Gulch | P | V | NSO RESPONSE- FOR 10 MINUTES IN SPITE OF CAT AND DOG NOISE |
| Follow-up | | | | |
| DAY CALL | | | | |

Confidential File

69

Wildlife Section

THP # 1-93-04150N
Alternative Used # _____
Assignment # _____

California Department of Fish and Game
Spotted Owl Plan Review Checklist/Worksheet

A. Spotted Owl Plan Name (if any) Stanetti THP
Plan Submitter Jim Berry, Forester
Watershed/Tributaries Dutch Bell Drainage
Township 7N Range 11W Section 18 County Sonoma

Operation Acres 300 Silvicultural Method (acres) selection

Dates:

Received by DFG 1/13/92 Received by Designated Biologist _____

RPF Notified _____

Plan Reviews 1/13/92 4/18/92 Field Inspections 1/13/92 4/18/92

Field Review Participants (name/organization) Theodore Worster CFWG
+ Jim Berry, Forester

A1. Document Review

(Check adequacy of plan content) (Briefly describe adequacy or relevance)

- a. Map of Habitat Types yes
- b. Map Readability/Clarity yes
- c. Map and Plan Content for Proposed Operations (haul, cable, tractor roads and landings, project scheduling, site preparation, preproject descriptions) yes
- d. Description of Probable Project Results (stems/acre, stem size and age, canopy closure, understory, ground disturbance, species composition) yes
- e. Map and Plan Content for Key Components (potential or actual nesting, roosting, feeding)

| | | | |
|-----------------------|---------|----------|------------|
| | nesting | roosting | feeding |
| 1. Pre-harvest acres | _____ | _____ | <u>300</u> |
| 2. Post-Harvest acres | _____ | _____ | <u>300</u> |

Received CDF
REGION 1

FEB 02 1993

RESOURCE MANAGEMENT

Plan Name

Stamett THP

THP #

1-93-041 SON

Alternative Used #

Assignment #

f. Database Information

1. CDF printout ()yes ()no

2. Other materials Worster's files

g. Mapped Known Owl Nest Sites and Roost Areas
(on & off site within 1.3 miles of plan perimeter)

h. Calling Response Results/Dates
(attach list and location map)

1/13/92 TW-NR 1842-1922 NR

4/18/92 TW - 8750 in Crawford thicket
1/4 mile to the south

i. Aerial Photos.

A2. Field Review

Is a field review requested/necessary? ()yes ()no
(if no, explain)

a. Was the review route adequate? ()yes ()no

Date of field review 1/13/92 4/18/92

b. Were owls detected? ()yes ()no to the south of plan area
(attach owl occurrence sighting reports)

c. Maps accurate? ()yes ()no
(if no, attach map/describe and note changes on map)

3. Project Evaluation/Significant Observations
(if yes, describe in comments section B(c))

Yes No N/A Unknown

a. Will timber operations significantly disrupt or impair:

| | | | | |
|--|---|-------------------------------------|---|---|
| 1. Local movement (on site & within 1/2 mile) | — | <input checked="" type="checkbox"/> | — | — |
| 2. Dispersal opportunities (within 1 mile of known owls) | — | <input checked="" type="checkbox"/> | — | — |
| 3. Prey base (within 1/2 mile of known owls) | — | <input checked="" type="checkbox"/> | — | — |
| 4. Foraging habitat | — | <input checked="" type="checkbox"/> | — | — |
| 5. Roosting structure | — | <input checked="" type="checkbox"/> | — | — |
| 6. Roosting behavior | — | <input checked="" type="checkbox"/> | — | — |
| 7. Nesting structure | — | <input checked="" type="checkbox"/> | — | — |
| 8. Nesting behavior | — | <input checked="" type="checkbox"/> | — | — |
| 9. Microclimate (on site, short or long term) | — | <input checked="" type="checkbox"/> | — | — |
| 10. Other (ie, predation, storm exposure, etc.) | — | <input checked="" type="checkbox"/> | — | — |

b. Is this a Spotted Owl area plan review for more than one THP? ()yes ()no
(If yes, is a map attached which adequately describes each proposed THP area? ()yes ()no).

Plan Name Staveth

THP # 1-93-04150N
Alternative Used # _____
Assignment # _____

21

c. Comments (explanation of project evaluation responses) additional

Owl pair
vs triplets
found on
rawford
sulch

calling in April and May 1992 is required to pin
down where SO's are in or adjacent to this plan; 3 evening
calls should do it. If on plan determine whether nesting or

() Check here if additional pages are attached (number of pages _____)
not. Birds will be monitored by Berry & Woster

B1. I have reviewed the proposed timber operations and Spotted Owl information and
* ~~have/have not~~ ^{nu} completed a site specific review. The information provided is
* ~~sufficient/not sufficient~~ ^{nu} for me to complete my evaluation. The information
provided and my observations * lead me to conclude that/are insufficient to
determine if the proposed operations * ~~will/will not~~ ^{nu} likely result in "take"
of the Northern Spotted Owl as described in the Federal Endangered Species Act
and the Forest Practice Rules.

(* cross out inappropriate recommendation language and initial above
appropriate recommendation language.)

B2. () This checklist/worksheet applies to a plan or proposal that doesn't need to
be changed to avoid a "take".
() This checklist/worksheet applies to a plan or proposal that requires ^{conditions} ~~changes~~
to avoid a "take". Required changes are described in the ^{conditions} ~~comments~~ section
and any attached pages.

Reviewer Theodore W. Woster
(Designated Biologist)
Signature Theodore W. Woster
Date Completed 4/18/92

Copies to:

- RPF
- CDF (referral office)
- CDF (Regional Office)
- DFG (HQ Coordinator) **ORIGINAL**
- DFG (Office of Origin)
- DFG (Region Office Coordinator)

Received CDF
REGION 1
FEB 02 1993



Water course classification and WPZ width - Stattell

Scale: 1" = 500'

86% Canopy for Northern Spotted Owl \uparrow NSO#
Activity Center - 16 Plots

See Table

Citizen Utilities
Intake abandoned
in 1970s

FEB 02 1999
RESOURCE MANG.
AGRI. RDB

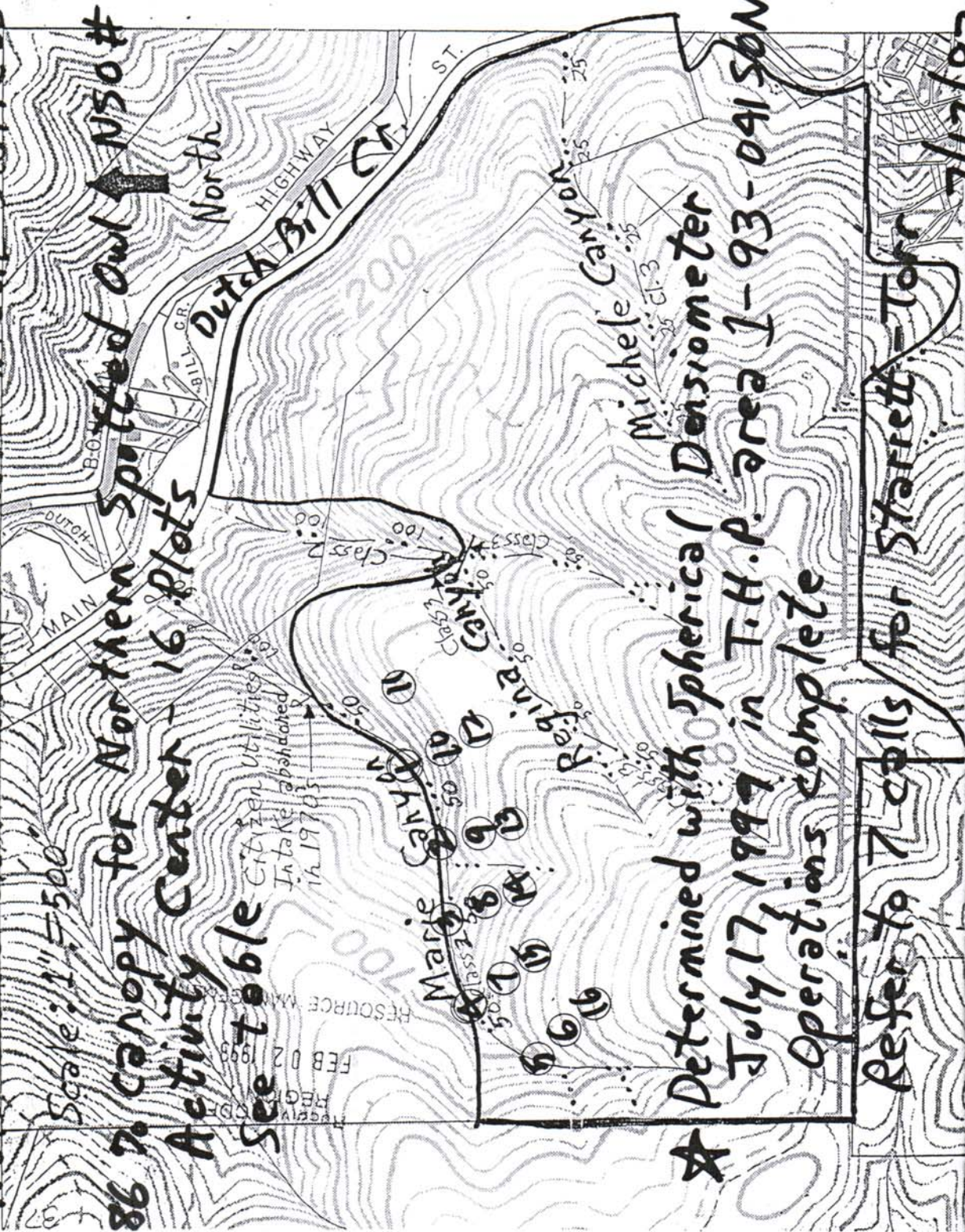
Marie Canyon
Class 1
Class 2
Class 3

Regina Canyon
Class 1
Class 2
Class 3

Michele Canyon
Class 1
Class 2
Class 3

★ Determined with Spherical Densimeter
July 17 1999 in T.H.P. area 1-93-04150N
Operations complete

Refer to 7 cells for Stattell - Topr 7/17/97



Plan Name Spotted THP THP # 93-041 So N
102 170-EP-7 Alternative Used # _____
 Assignment # _____

- f. Database Information
 1. CDF printout ()yes ()no
 2. Other materials Wovetia's files
- g. Mapped Known Owl Nest Sites and Roost Areas
 (on & off site within 1.3 miles of plan perimeter)
- h. Calling Response Results/Dates (attach list and location map) 1/13/92 TW-NR 1842-1922 NR
4/18/92 TW-8750 in Crawford thicket
1/4 mile to the south
- i. Aerial Photos _____

A2. Field Review

Is a field review requested/necessary? ()yes ()no
 (if no, explain) _____

- a. Was the review route adequate? ()yes ()no
 Date of field review 1/13/92 4/18/92
- b. Were owls detected? ()yes ()no to the south of plan area
 (attach owl occurrence sighting reports)
- c. Maps accurate? ()yes ()no
 (if no, attach map/describe and note changes on map)

B. Project Evaluation/Significant Observations (if yes, describe in comments section B(c))

| | Yes | No | N/A | Unknown |
|--|-----|----|-----|---------|
|--|-----|----|-----|---------|

| | | | | |
|--|---|-------------------------------------|---|---|
| a. Will timber operations significantly disrupt or impair: | | | | |
| 1. Local movement (on site & within 1/2 mile) | — | <input checked="" type="checkbox"/> | — | — |
| 2. Dispersal opportunities (within 1 mile of known owls) | — | <input checked="" type="checkbox"/> | — | — |
| 3. Prey base (within 1/2 mile of known owls) | — | <input checked="" type="checkbox"/> | — | — |
| 4. Foraging habitat | — | <input checked="" type="checkbox"/> | — | — |
| 5. Roosting structure | — | <input checked="" type="checkbox"/> | — | — |
| 6. Roosting behavior | — | <input checked="" type="checkbox"/> | — | — |
| 7. Nesting structure | — | <input checked="" type="checkbox"/> | — | — |
| 8. Nesting behavior | — | <input checked="" type="checkbox"/> | — | — |
| 9. Microclimate (on site, short or long term) | — | <input checked="" type="checkbox"/> | — | — |
| 10. Other (ie, predation, storm exposure, etc.) | — | <input checked="" type="checkbox"/> | — | — |

b. Is this a Spotted Owl area plan review for more than one THP? ()yes ()no
 (If yes, is a map attached which adequately describes each proposed THP area? ()yes ()no).

Plan Name Stewart THP THP # _____
 102170-89-1 Alternative Used # _____
 Assignment # _____

- f. Database Information
 1. CDF printout ()yes ()no
 2. Other materials Worster's files
- g. Mapped Known Owl Nest Sites and Roost Areas
 (on & off site within 1.3 miles of plan perimeter)
- h. Calling Response Results/Dates
 (attach list and location map) 1/13/92 TW-NR 1842-1922 NR
4/18/92 TW-Q750 in Crawford thicket
1/4 mile to the south
- i. Aerial Photos _____

A2. Field Review

Is a field review requested/necessary? ()yes ()no
 (if no, explain) _____

- a. Was the review route adequate? ()yes ()no
 Date of field review 1/13/92 4/18/92
- b. Were owls detected? ()yes ()no to the south of plan area
 (attach owl occurrence sighting reports)
- c. Maps accurate? ()yes ()no
 (if no, attach map/describe and note changes on map)

B. Project Evaluation/Significant Observations
 (if yes, describe in comments section B(c))

| | Yes | No | N/A | Unknown |
|--|-----|-------------------------------------|-----|---------|
| a. Will timber operations significantly disrupt or impair: | | | | |
| 1. Local movement (on site & within 1/2 mile) | — | <input checked="" type="checkbox"/> | — | — |
| 2. Dispersal opportunities (within 1 mile of known owls) | — | <input checked="" type="checkbox"/> | — | — |
| 3. Prey base (within 1/2 mile of known owls) | — | <input checked="" type="checkbox"/> | — | — |
| 4. Foraging habitat | — | <input checked="" type="checkbox"/> | — | — |
| 5. Roosting structure | — | <input checked="" type="checkbox"/> | — | — |
| 6. Roosting behavior | — | <input checked="" type="checkbox"/> | — | — |
| 7. Nesting structure | — | <input checked="" type="checkbox"/> | — | — |
| 8. Nesting behavior | — | <input checked="" type="checkbox"/> | — | — |
| 9. Microclimate (on site, short or long term) | — | <input checked="" type="checkbox"/> | — | — |
| 10. Other (ie, predation, storm exposure, etc.) | — | <input checked="" type="checkbox"/> | — | — |

b. Is this a Spotted Owl area plan review for more than one THP? ()yes ()no
 (If yes, is a map attached which adequately describes each proposed THP area? ()yes ()no).

Plan Name Stanett

THP # 1-93-041 SON
Alternative Used #
Assignment #

Owl pair
plus triplets
found on
Stawford
Gulch

c. Comments (explanation of project evaluation responses) additional
calling in April and May 1992 is required to pin
down where SO's are in or adjacent to this plan; 3 evening
calls should do it. If on plan determine whether nesting or
() Check here if additional pages are attached (number of pages)
not. Birds will be monitored by Berry & Woster

B1. I have reviewed the proposed timber operations and Spotted Owl information and
* ~~have/have not~~ ^{nr} completed a site specific review. The information provided is
* ~~sufficient/not sufficient~~ ^{nr} for me to complete my evaluation. The information
provided and my observations * ~~lead me to conclude that/are insufficient to~~
~~determine if~~ the proposed operations * ~~will/will not~~ ^{nr} likely result in "take"
of the Northern Spotted Owl as described in the Federal Endangered Species Act
and the Forest Practice Rules.

(* cross out inappropriate recommendation language and initial above
appropriate recommendation language.)

B2. () This checklist/worksheet applies to a plan or proposal that doesn't need to
be changed to avoid a "take".
() This checklist/worksheet applies to a plan or proposal that requires ^{conditions} ~~changes~~
to avoid a "take". Required changes are described in the ^{conditions} ~~comments~~ section
and any attached pages.

Reviewer Theodore W. Woster
(Designated Biologist)
Signature Theodore W. Woster
Date Completed 4/18/92.

Copies to:

- RPF
- EDF (referral office)
- CDF (Regional Office)
- DFG (HO Coordinator) **ORIGINAL**
- DFG (Office of Origin)
- DFG (Region Office Coordinator)

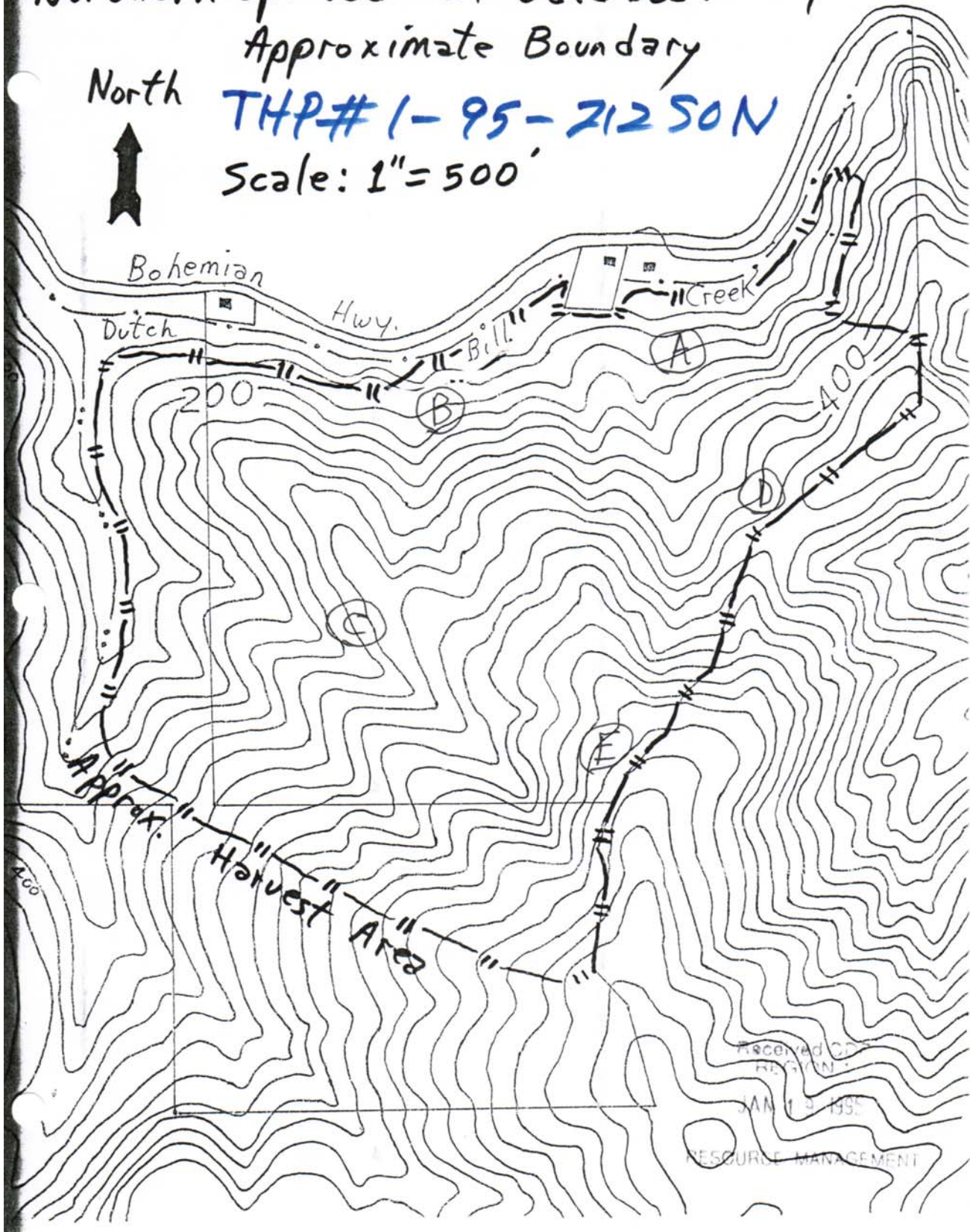


End of Starrett-Torr THP 1-93-041 SON and beginning of CYO or YAASF(Wyatt) THP 1-95-212 SON

Northern Spotted Owl Database Map

Approximate Boundary
THP# 1-95-21250N
Scale: 1" = 500'

North



RFP: LOREN BERRY

#: 1193

01/23/95

Pg: 1

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

JUNE 10, 1994 DATA

REPORT #1

REPORT OF AREAS SEARCHED

| COUNTY | TOWNSHIP | RANGE | SECTION | TERRITORY |
|---------|------------|-------|----------|---------------------|
| ááááááá | áááááááááá | ááááá | áááááááá | áááááááááá |
| SO | 7N | 10W | 16 | SO036 |
| SO | 7N | 10W | 17 | SO011 |
| SO | 7N | 10W | 18 | ** NO OWLS KNOWN ** |
| SO | 7N | 10W | 19 | SO011 |
| SO | 7N | 10W | 20 | SO011 |
| SO | 7N | 10W | 20 | SO036 |
| SO | 7N | 10W | 21 | SO036 |
| SO | 7N | 10W | 28 | ** NO OWLS KNOWN ** |
| SO | 7N | 10W | 29 | ** NO OWLS KNOWN ** |

NOTE: THREE SEPERATE REPORTS ARE GENERATED IF NORTHERN SPOTTED OWL RECORDS ARE KNOWN FROM THE REQUESTED AREA. THE SECOND AND THIRD REPORTS WILL NOT PRINT IF OBSERVATIONS RECORDS ARE NOT FOUND.

RFP: LOREN BERRY

#: 1193

01/23/95

Pg: 1

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

JUNE 10, 1994 DATA

REPORT #2

REPORT OF TERRITORIES FOUND

| LOCALE | TWN | RNG | SECT | 1/4 | 1/16 | 1/64 | OWNER TYPE | OWNER | YEAR VERIFIED | TERR. KNOWN | NEST/YNG KNOWN |
|----------------------|-----|-----|------|-----|------|------|---------------|-------|------------------|----------------|-------------------|
| aaaaaaaaaaaaaaaaaaaa | aaa | aaa | aaaa | aaa | aaaa | aaaa | aaaaa | aaaaa | aaaaaaaaaaaa | aaaaaaaa | aaaaaaaa |
| TERRITORY: SO011 | | | | | | | | | | | |
| DUTCH BILL CR | 7N | 10W | 17 | NE | NW | | PVT | | 92 - P | | 92 - 92 |
| TERRITORY: SO036 | | | | | | | | | | | |
| DUTCH BILL CR | 7N | 10W | 16 | SE | SE | S | PVT | | 93 - T | | - |

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANTATION SHEET" DATED AFTER JANUARY 1, 1994.

NORTHERN SPOTTED OWL FIELD SURVEY-CYO (Wyatt) 1994 CALLS 1,2,3

LANDOWNER **TORR** **THP#1-95-212** SON DFG TERRITORY NO. SON 0031 CALL # 1 OBSERVERS Jim Berry

GENERAL LOCATION **one mile south of Monte Rio and west of Main St.** Quad Name: Camp Meeker (7.5 Min. & NAD 27) **S 20 & 21, T7N, R10W**

DATE @ START 6 December 1994 START TIME (2400 clock): 1300 END TIME: 1700 TOTAL TIME: 240

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d

WEATHER (BOLD): clear **cloudy** mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 50's degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 1300 to 1700 PM | STATION A- | P | N/A | NO NSO RESPONSE- partly cloudy |
| 1300 to 1700 PM | STATION B trestle | P | N/A | NO NSO RESPONSE |
| 1300 to 1700 PM | STATION C W2 | P | N/A | NO NSO RESPONSE |
| 1300 to 1700 PM | STATION D-ridge | P | N/A | NO NSO RESPONSE |
| 1300 to 1700 PM | STATION E-yonash ridge | P | N/A | NO NSO RESPONSE |

DATE @ START 26 Dec 1994 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 1240 END TIME: 1340 TOTAL TIME: 60

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no temp.range. 69-77 degrees F

| | | | | |
|------|------------|---|-----|------------------|
| 1240 | STATION A- | P | N/A | NO NSO RESPONSE- |
| 1311 | STATION B | P | N/A | NO NSO RESPONSE |
| 1340 | STATION C | P | N/A | NO NSO RESPONSE |
| 1415 | STATION D | P | N/A | NO NSO RESPONSE |
| 1330 | STATION E | P | N/A | NO NSO RESPONSE |

DATE @ START 29 March 1995 CALL # 3 OBSERVERS Jim Berry

START TIME (2400 clock): 2045 END TIME: 2245 TOTAL TIME: 60

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 69-80 F

| | | | | |
|------|------------|---|-----|------------------|
| 2045 | STATION A | P | N/A | NO NSO RESPONSE- |
| 2110 | STATION B- | P | N/A | NO NSO RESPONSE |
| 2155 | STATION C | P | N/A | NO NSO RESPONSE |
| 2215 | STATION D | P | N/A | NO NSO RESPONSE |
| 2235 | STATION E | P | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY-CYO (Wyatt) 1995 CALLS 4,5,6

LANDOWNER **CYO** THP#1-95-212 SON DFG TERRITORY NO. SON 0031 CALL # 4 OBSERVERS Jim Berry

GENERAL LOCATION **Bohemian Hwy.Dutch Bill.** Quad Name: Camp Meeker (7.5 Min & NAD 27) **S 20,21, T7N, R10W**

DATE @ START 10 April 1995 START TIME (2400 clock): 2130 END TIME: 2310 TOTAL TIME: 100

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d

WEATHER (BOLD): clear **cloudy** mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze no 50's degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|---|---|---|
| 2400 clock | | | | |
| 2130 | STATION A- | P | N/A | NO NSO RESPONSE- partly cloudy |
| 2153 | STATION B trestle | P | N/A | NO NSO RESPONSE |
| 2217 | STATION C W2 | P | N/A | NO NSO RESPONSE |
| 2253 | STATION D-ridge | P | N/A | NO NSO RESPONSE |
| 2300 | STATION E- Yonash ridge | P | N/A | NO NSO RESPONSE |

DATE @ START 21 April 1995 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 2126 END TIME: 2310 TOTAL TIME: 104

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no temp.range. 48-52 degrees F

| | | | | |
|------|------------|---|-----|---------------------------------|
| 2126 | STATION A- | P | N/A | NO NSO RESPONSE- |
| 2105 | STATION B | P | N/A | NO NSO RESPONSE |
| 2145 | STATION C | P | N/A | NO NSO RESPONSE |
| 2213 | STATION D | P | N/A | NO NSO RESPONSE |
| 2300 | STATION E | P | N/A | NO NSO RESPONSE= sawwett called |

DATE @ START 26 April 1995 CALL # 6 OBSERVERS Jim Berry

START TIME (2400 clock): 2110 END TIME: 2250 TOTAL TIME: 100

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze temp. range 48-49 F

| | | | | |
|------|------------|---|-----|--------------------|
| 2110 | STATION A | P | N/A | NO NSO RESPONSE- |
| 2050 | STATION B- | P | N/A | NO NSO RESPONSE |
| 2150 | STATION C | P | N/A | NO NSO RESPONSE |
| 2210 | STATION D | P | N/A | MAL E NSO RESPONSE |
| 2240 | STATION E | P | N/A | NO NSO RESPONSE |

On 21 April 1995, Jim had a 20 minute dual with male NSO about 50' from large madrone which he was on 2 years ago. He was perched in a 28" Douglas Fir about 80 feet up and sitting on a dead fir limb 3' from trunk. Used voice and Johnny Stewart game caller at station D. Station D is located on a ridge between CYO and Westminster Woods. He used many different cadences and timings and was still going strong after 20 minutes. No NSO female apparent.

PLAN NAME Y A A S F

NSO ASSIGN # _____ ORG # _____
THP # _____

Date Referral Received by DFG: 5/11/95 Date RPF Notified: 1-89-21250N
Alternative Used: _____

Date Referral Received by CDF: _____ USGS Quad Name Camp Meeker

(Date Referral Received by Designated Biologist: 5/11/95 (DB fill in) 17.5" 115")

CALIFORNIA DEPARTMENT OF FISH AND GAME

NORTHERN SPOTTED OWL CONSULTATION CHECKLIST

A1 Plan Submitter Youth Activities of Archdiocese of SF.
Consultation Information Submitter Jim Berry + Ted Wooster
Watershed/Tributaries Delta North Bell Creek
Township T7N Range R10W Sections 20 + 21 County Sonoma

Plan Acres/Silviculture 115 acres - selection

| A2 Document Review | Submitted | Needed | Explanation |
|------------------------------|-------------------------------------|--------------------------|--|
| Plan Description | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Planmatic/Topographic Map | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Camp Meeker</u> |
| Habitat Map (acres/location) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | On/Off Site <u>985ac around 084/0.7mi.</u> |
| Aerial Photos (if available) | Source: <u>SCS</u> | Series/Date: <u>1971</u> | |
| NSO Location Map (1.3 Miles) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Nest/Roost |
| DataBase (CDF Printout) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Date/Results |
| DFG Territory # | <u>084</u> | | |

(submit database printout with referral request and consultation checklist)
Survey Date 7/25/92, 4/21/95, 5/11/95 JS n TW Results Pair adjacent to plan

A3 Field Review
Review Participants Theodore W. Wooster + Jim Berry
Adequate Review Route () no () yes Date 5/11/95 Explain _____
Accurate Maps () no () yes Explain _____
Accurate Habitat Mapping () no () yes Explain _____
Adequate Surveys () no () yes Explain _____

Habitat Characteristics 2nd growth B.W, DF, TO + moderate scattered small residual RW's (1 per acre)

LAN NAME Y A A S F

NSO ASSIGN # _____ ORIG # _____

THP # 1-95-702 SON
MD 684

Project Evaluation

81 NSO's detected within 1.3 miles of operations area? () no () yes Date last detected 5/11/95

NSO's present now? () unknown () yes: () onsite () 500' () 1000' () 0.7mi () 1.3mi

Will NSO habitat retention standards be met post-harvest? () no () yes Describe post-harvest habitat characteristics to support NSO's: selection system + post operational with Barry indicator no change

Estimated Habitat Retention Acres (pre/post harvest):

| | 500' | 1000' | 0.7mi | 1.3mi |
|-------------|------|-------|----------|-------|
| Nest | | | 985, 985 | |
| Roost | | | | |
| Forage | | | | |
| Non-Habitat | | | | |

82 Is this consultation for more than one (1) THP? () no () yes

List all known NSO consultations within 1.3 mi of this survey area
Presbyterian of the Redwoods THP 1-92-6350N

83 Will the proposed plan significantly disrupt, impair or modify (if YES or UNK, explain in B4):

| | NO | N/A | UNK | YES |
|--|----|-----|-----|-----|
| a. Local Movement (onsite or within 0.5 mi of NSO) | ✓ | — | — | — |
| b. Dispersal Opportunity (within 1 mi of NSO) | ✓ | — | — | — |
| c. Prey Base (within 0.5 mi of NSO) | ✓ | — | — | — |
| d. Foraging Habitat | ✓ | — | — | — |
| e. Roosting Structure | ✓ | — | — | — |
| f. Roosting Behavior | ✓ | — | — | — |
| g. Nesting Structure | ✓ | — | — | — |
| h. Nesting Behavior | ✓ | — | — | — |
| i. Other (predation, exposure, etc.) | ✓ | — | — | — |

84 Comments (evaluate adequacy of information provided, compliance with accepted guidelines, and features specific to this survey area)

(Name of preparer for Parts A & B, if different from designated biologist: _____)

PLAN NAME YAA SF

NSO ASSIGN # _____ ORG # _____
THP # _____

1-95-21250N

Consultation Determination

ENTRIES ON THIS PAGE CAN BE COMPLETED ONLY BY DESIGNATED BIOLOGIST (cross out inappropriate language and initial above each cross out):

Pursuant to the Protocol for Surveying Proposed Management Activities that may impact Northern Spotted Owls, endorsed and revised by the U.S. Fish and Wildlife Service (USFWS) on March 17, 1992, subsequent revisions to the protocol issued by the USFWS, and other scientific information available to me, I ~~have~~^{tw} verified in the field the information submitted and have concluded that:

- C1 The information provided ~~is~~^{tw} sufficient to complete my evaluation.
- C2 The surveys provided to me ~~do not~~^{tw} conform to the Protocol issued and revised by USFWS.
- C3 The information provided to me and the field review of the plan and surrounding area lead me to conclude that:
 - C3-1. The plan area ~~is~~^{tw} suitable northern spotted owl habitat;
 - C3-2. The project area and surrounding habitat ~~has~~^{tw} been adequately evaluated for the presence of northern spotted owls;
 - C3-3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ~~is~~^{tw} not likely; and
 - C3-4. The potential for this plan to result in the "unauthorized incidental take" of a northern spotted owl ~~is~~^{tw} not likely.

A determination that the potential for unauthorized incidental take has been minimized (C3, above) remains valid until the start of the breeding season in the year _____. For operations to be conducted after the start of the breeding season in that year, surveys must be completed during the breeding season prior to the start of operations and submitted for re-evaluation.

This consultation checklist applies to a plan or proposal that (initial applicable findings):

- C4() ~~Does not~~^{tw} need to be revised to minimize unauthorized incidental take.
- C5() ~~Has been~~^{tw} revised to minimize unauthorized incidental take, as described in the attached comments.
- C6() ~~Requires~~^{tw} revisions in order to minimize unauthorized incidental take, as described in the attached comments.
- C7() ~~For which~~^{tw} the consultation checklist cannot be completed until additional information is submitted (Sections 919.10(C), 939.10(C)). The necessary information is described in the attached comments.

This consultation checklist ~~does not~~^{tw} include additional pages as indicated below:

- C8() ~~Comments~~^{tw} describing necessary revisions or information, DFG 726-FORM 3A.5 (number of pages _____).
- C9() ~~Confidential~~^{tw} site information, DFG 726-FORM 3B.5 (number of pages 2). (may include Spotted Owl Observation Report Form)

Signature *Therese W. Woodston*

Print Name Therese W Woodston

Date Completed 5/22/95

Form Distribution:

- Original () Designated Biologist
- Copies () RPF
- () CDF (Referral Office)
- () DFG (NSO Consultation Coordinator)

End of CYO (Wyatt) THP #1-95-225 SON and beginning of Starrett-Torr 1-98-113 SON

STARRETT

PLAN NAME Starrett - Tom NSO ASSIGN # _____ ORIG # _____
 THP # _____
 Date Referral Received by DFG: 5/3/97 Date RPF Notified: _____ Alternative Used: F-98-11350N
 Date Referral Received by CDF: _____ USGS Quad Name Suncana melle
 (Date Referral Received by Designated Biologist: 5/3/97 (DB fill in)) 17.5" (115"

**CALIFORNIA DEPARTMENT OF FISH AND GAME
 NORTHERN SPOTTED OWL CONSULTATION CHECKLIST**

A1 Plan Submitter Starrett - Tom
 Consultation Information Submitter Berry, Worsten
 Watershed/Tributaries Dutch Bell Creek
 Township 77N Range R10W Sections 7+18 County Sonoma

A2 Plan Acres/Silviculture 88 acres - selection
 Document Review Submitted Needed Explanation
 Plan Description _____
 Planimetric/Topographic Map _____
 Habitat Map (acres/location) _____
 Aerial Photos (if available) Source: Soil Cons. Series On/Off Site yes Series/Date: _____ #: _____
 NSO Location Map (1.3 Miles) Nest/Roost both
 Database (CDF Printout) Date/Results 3/1/96
 (DFG Territory #) 502, 11, 84, 36, 60, 48, 21

(submit database printout with referral request and consultation checklist)
 Survey Data Results Pair located on adjacent
4/29/97, 5/1/97, 5/8/97, 5/17/97, 5/3/97, 6/2/97 to plan

A3 Field Review
 Review Participants Theodore Worsten & Jim Berry
 Adequate Review Route () no () yes Date 5/3/97 Explain _____
 Accurate Maps () no () yes Explain _____
 Accurate Habitat Mapping () no () yes Explain _____
 Adequate Surveys () no () yes Explain _____

Habitat Characteristics 2nd growth RW, DF, TOP
madrone

PLAN NAME Starrett - Tou

NSO ASSIGN # _____ ORIG # _____
THP # 1-98-11350N

Project Evaluation

B1 NSO's detected within 1.3 miles of operations area? () no (x) yes Date last detected 6/2/97

NSO's present now? () unknown (x) yes: () onsite (x) 500' () 1000' () 0.7mi () 1.3mi

Will NSO habitat retention standards be met post-harvest? () no (x) yes Describe post-

harvest habitat characteristics to support NSO's: selection silviculture
will maintain high canopy level of roosting/forage

Estimated Habitat Retention Acres (pre/post harvest):

| | 500' | 1000' | 0.7mi | 1.3mi |
|-------------|-------|-------|-------|------------------|
| Nest | _____ | _____ | _____ | _____ |
| Roost | _____ | _____ | _____ | <u>3113 3113</u> |
| Forage | _____ | _____ | _____ | _____ |
| Non-Habitat | _____ | _____ | _____ | <u>319 319</u> |

B2 Is this consultation for more than one (1) THP? (x) no () yes

List all known NSO consultations within 1.3 mi of this survey area 1-93-04150N
and see THP for adjacent other plans.

B3 Will the proposed plan significantly disrupt, impair or modify (if YES or UNK, explain in B4):

| | NO | N/A | UNK | YES |
|--|-------------------------------------|-----|-----|-----|
| a. Local Movement (onsite or within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | — | — | — |
| b. Dispersal Opportunity (within 1 mi of NSO) | <input checked="" type="checkbox"/> | — | — | — |
| c. Prey Base (within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | — | — | — |
| d. Foraging Habitat | <input checked="" type="checkbox"/> | — | — | — |
| e. Roosting Structure | <input checked="" type="checkbox"/> | — | — | — |
| f. Roosting Behavior | <input checked="" type="checkbox"/> | — | — | — |
| g. Nesting Structure | <input checked="" type="checkbox"/> | — | — | — |
| h. Nesting Behavior | <input checked="" type="checkbox"/> | — | — | — |
| i. Other (predation, exposure, etc.) | <input checked="" type="checkbox"/> | — | — | — |

B4 Comments (evaluate adequacy of information provided, compliance with accepted guidelines, and features specific to this survey area)

NSOs in area are
neither new pair or from over ridge to west.
Grandpa's patch NSOs still in same place to
south. Pair on + at edge of plane are not
nesting in 1997.

(Name of preparer for Parts A & B, if different from designated biologist: _____)

PLAN NAME Starratt-Ten

NSO ASSIGN # _____ ORIG # _____

THP # _____

1-98-113 50N

Consultation Determination

ENTRIES ON THIS PAGE CAN BE COMPLETED ONLY BY DESIGNATED BIOLOGIST (cross out inappropriate language and initial above each cross out):

Pursuant to the Protocol for Surveying Proposed Management Activities that may impact Northern Spotted Owls, endorsed and revised by the U.S. Fish and Wildlife Service (USFWS) on March 17, 1992, subsequent revisions to the protocol issued by the USFWS, and other scientific information available to me, I ~~have~~ ^{have} not verified in the field the information submitted and have concluded that:

- C1 The information provided ^{is} ~~is not~~ sufficient to complete my evaluation.
- C2 The surveys provided to me ~~do not~~ ^{do} conform to the Protocol issued and revised by USFWS.
- C3 The information provided to me and the field review of the plan and surrounding area lead me to conclude that:
 - C3-1. The plan area ^{is} ~~is not~~ suitable northern spotted owl habitat;
 - C3-2. The project area and surrounding habitat ~~has~~ ^{has} been adequately evaluated for the presence of northern spotted owls;
 - C3-3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ~~is~~ ^{is not} likely; and
 - C3-4. The potential for this plan to ~~result~~ ^{result} in the "unauthorized incidental take" of a northern spotted owl ~~is~~ ^{is not} likely.

A determination that the potential for unauthorized incidental take has been minimized (C3, above) remains valid until the start of the breeding season in the year 1998. For operations to be conducted after the start of the breeding season in that year, surveys must be completed during the breeding season prior to the start of operations and submitted for re-evaluation.

This consultation checklist applies to a plan or proposal that (initial applicable findings):

- C4() Does not need to be revised to minimize unauthorized incidental take.
- C5() ^{has} ~~has not~~ been revised to minimize unauthorized incidental take, as described in the attached comments. *Forest Practice Rules for habitat retention of*
- C6() Requires revisions in order to minimize unauthorized incidental take, as described in the attached comments. *roosting plan will be implemented.*
- C7() For which the consultation checklist cannot be completed until additional information is submitted (Sections 919.10(C), 939.10(C)). The necessary information is described in the attached comments.

This consultation checklist does/does not include additional pages as indicated below:

- C8() Comments describing necessary revisions or information, DFG 726-FORM 3A.5 (number of pages _____).
- C9() Confidential site information, DFG 726-FORM 3B.5 (number of pages 25). (may include Spotted Owl Observation Report Form)

Signature Theodore W Wooster
Designated Biologist

Print Name Theodore W Wooster

Date Completed 6/4/97

Form Distribution:

- Original Designated Biologist
- Copies RPF
- CDF (Referral Office)
- DFG (NSO Consultation Coordinator)

End of Starrett-Torr THP 1-98-113 SON & begin Hurwitz 1-96-264 SON

Hurwitz

NOTE

Northern Spotted Owl information has been submitted with Timber Harvesting Plan 1-96-264 SON. Under direction of the U.S. Fish & Wildlife Service (USFWS) and Department of Fish & Game (DFG), the California Department of Forestry and Fire Protection (CDF) can not disclose site-specific information and thus has edited site-specific information from the general version of this THP and placed it in a confidential file at the CDF Region I headquarters, 135 Ridgway Avenue, Santa Rosa, CA 95401. The information edited from the general version of the plan has been sent to the following locations for review:

[X] DFG - Region 3 (Dick Moore @ SNU)

[] DFG - Region 1 - Eureka

[] CDF Field Unit - Fortuna

[] CDF Field Unit - Ukiah

[X] CDF Field Unit - Sonoma

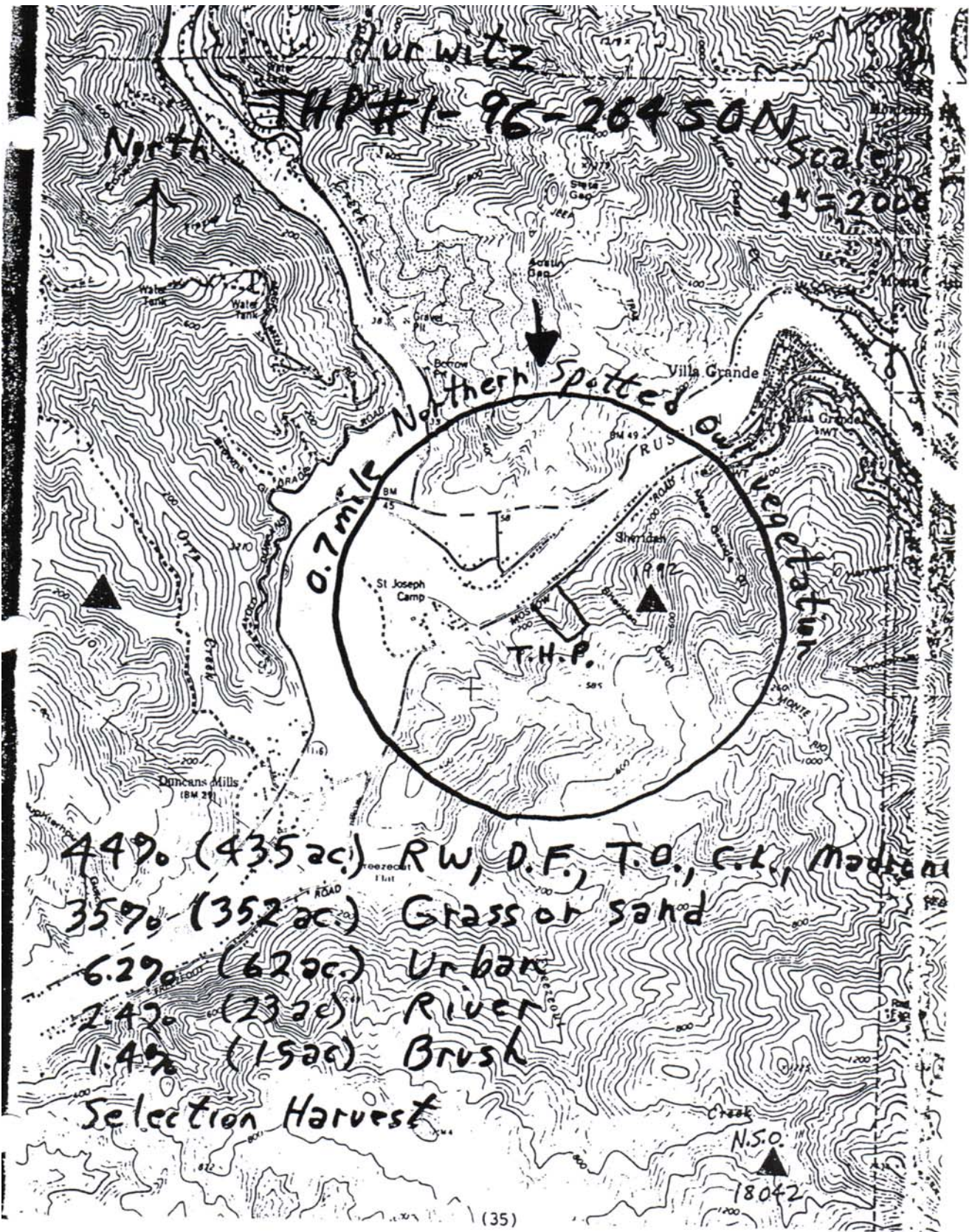
[X] Other CDF Reviewing Forester, Santa Rosa

Site-specific information may be released by DFG of the USFWS on a need-to-know basis. In this instance, contact:

Gordon Gould
Department of Fish & Game
Wildlife Management Division
Nongame Bird and Mammal Section
1416 Ninth Street
Sacramento, CA 95814

or:

US Fish & Wildlife Service
2800 Cottage Way, Room E-1823
Sacramento, CA 95825



THP Number pending Plan Name Hurwitz
County Sonoma Drainage Russian River
Acres 12 Acres of each silviculture ~~12~~ selective

CF&G NSO Database # _____ Other # _____
NSO history: A Northern Spotted Owl territory has been monitored by Woodster since 1992 on Sheridan Gulch 1/4 mile east N.S.O. 060

Conditions to insure no take Selective harvest - no nests - forage improvement with increased rodent populations

Logging history including site preparation: sel Clear cut 1900-1910 and selective harvest and salvage in early 1960's by Bob Schneider. Area has had repeated fires

Other comments: Moscow road traffic and housing may have some impact on use of area for foraging but nest location and successful fledging has taken place in Sheridan Gulch.

Figure or other document attached? yes _____ no _____

Forester Jim Berry

1.3 mile Northern Spotted Owl Vegetative Habitat

THP# 91-374 SAN Mt. Do v 1/25 Fir/Tanoak, Laurel, madrone, live oak

2926 acres of Redwoods, 420 acres of grassy

13 acres of THP

13 acres of grassy

Confidential File

Camp Meeker

Quadrangle



NORTHERN SPOTTED OWL FIELD SURVEY-HURWITZ-1992 Calls 1,2,3

LANDOWNER **BERRY-HURWITZ** THP#1-96-264 SON DFG TERRITORY NO. SON0060 Call # 1 OBSERVERS Jim Berry

GENERAL LOCATION one mile east of Duncans Mills Quad Name Duncans Mills (7.5 Min & NAD 27) T 7N R- 10W
SECS. 11 COUNTY Sonoma

DATE @ START 1 April 1992 START TIME (2400 clock): 2000 END TIME: 2330 TOTAL TIME: 30 minutes

Habitat Type Douglas Fir, Redwood, Tanoak, Laurel, Live Oak, Huckleberry WHR 4d & 5d

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-----------------------------|--|--|--|---|
| 2000 to 2330 | Continuous Call on road | Cont. | M & F (V) | Upper Sheridan Gulch on road. Male had an unusual cadence and female gave locational whistle. Photos taken of adults and two fluffy young later in month. Believed we were near the nest. Showed NSO's to Rick Bollmeyer in person |

DATE @ START 27 September 1992 OBSERVERS Jim Berry CALL #2

START TIME (2400 clock): 2210 END TIME: 2250 TOTAL TIME: 40

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-----------------------------|--|--|--|---|
| 2210 to 2250 | Continuous Call on road | Cont. | | NO RESPONSE |

DATE @ START 9 November 1992 OBSERVERS Jim Berry CALL #3

START TIME (2400 clock): END TIME: TOTAL TIME: 20

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-------------------------|--|--|--|---|
| 2250 To 2310 | Continuous Call on road | Cont. | N/A | NO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY-HURWITZ-1992-93 Calls 4,5,6

LANDOWNER **BERRY-HURWITZ** THP#1-96-264 SON DFG TERRITORY NO. SON0060 Call #4 OBSERVERS Jim Berry

GENERAL LOCATION one mile east of Duncans Mills Quad Name Duncans Mills (7.5 Min & NAD 27) T 7N R- 10W
SECS. 11 COUNTY Sonoma

DATE @ START 25 November 1992 START TIME (2400 clock): afternoon END TIME: afternoon TOTAL TIME: 30

Habitat Type Douglas Fir, Redwood, Tanoak, Laurel, Live Oak, Huckleberry WHR 4d & 5d

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-----------------------|--|--|--|---|
| AFTER NOON | Continuous Call on road | Cont. | M & F (V) | NO NSO RESPONSE |

DATE @ START 13 April 1993 OBSERVERS Jim Berry CALL #5

START TIME (2400 clock): 2330 END TIME: 2 350 TOTAL TIME: 20

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-----------------------------|--|--|--|---|
| 2330 to 2350 | Continuous Call on road | Cont. | N/A | NO RESPONSE |

DATE @ START 13 March 1996 OBSERVERS Jim Berry CALL #6

START TIME (2400 clock): END TIME: TOTAL TIME: 60

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-------------------------|--|--|--|---|
| 2030 To 2130 | Continuous Call on road | Cont. | N/A | NO RESPONSE to ghetto blaster |

DATE @ START 8 March 1996 OBSERVERS Jim Berry CALL #7

START TIME (2400 clock): END TIME: TOTAL TIME: 60

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-------------------------|--|--|--|---|
| 2200 to 2300 | Continuous Call on road | Cont. | N/A | NO RESPONSE to ghetto blaster |

RFP: LOREN M. BERRY

#: 1193

06/20/94
Pg: 1

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

APRIL 1, 1994 DATA

REPORT #1

REPORT OF AREAS SEARCHED

| COUNTY áááááá | TOWNSHIP áááááááá | RANGE ááááá | SECTION áááááá | TERRITORY áááááááá |
|------------------|----------------------|----------------|-------------------|-----------------------|
| SO | 07N | 10W | 9 | ** NO OWLS KNOWN ** |
| SO | 07N | 10W | 10 | ** NO OWLS KNOWN ** |
| SO | 07N | 10W | 11 | ** NO OWLS KNOWN ** |
| SO | 07N | 10W | 14 | ** NO OWLS KNOWN ** |
| SO | 07N | 10W | 15 | ** NO OWLS KNOWN ** |
| SO | 07N | 10W | 16 | ** NO OWLS KNOWN ** |
| SO | 07N | 10W | 22 | ** NO OWLS KNOWN ** |
| SO | 07N | 10W | 23 | ** NO OWLS KNOWN ** |

THP 1-94-374 50N

NOTE: THREE SEPERATE REPORTS ARE GENERATED IF NORTHERN SPOTTED OWL RECORDS ARE KNOWN FROM THE REQUESTED AREA. THE SECOND AND THIRD REPORTS WILL NOT PRINT IF OBSERVATIONS RECORDS ARE NOT FOUND.

PLAN NAME Hurwitz THP

NSO ASSIGN # _____ ORG # _____
THP # T-96-26450N

Date Referral Received by DFG: 2/10/96 Date RPF Notified: _____

Date Referral Received by CDF: _____

USGS Quad Name Dungans Mill
M 7.5° 115°

Date Referral Received by Designated Biologist: 2/10/96 (DB initials)

Alternative Used: _____

CALIFORNIA DEPARTMENT OF FISH AND GAME

NORTHERN SPOTTED OWL CONSULTATION CHECKLIST

A1 Plan Submitted Hurwitz
 Consultation Information Submitted Tom Berry, Ted Wooten
 Watershed/Tributaries Russian River
 Township 77N Range R11W Section 11 County Sonoma

A2 Plan Acres/Silviculture 2 acres - selection
 Document Review Submitted Needed Explanation _____
 Plan Description _____
 Planimetric/Topographic Map _____
 Habitat Map (acres/location) On/Off Site _____
 Aerial Photos (if available) Source: SCS Series/Date: _____ #: _____
 NSO Location Map (1.3 Miles) Nest/Roost _____
 DataBase (CDF Printout) Date/Results 1/23/96
 (DFG Territory #) 50, 46, 60, 21, 48, 46, 22
 (submit database printout with referral request and consultation checklist)
 Survey Data Results see continues to
3/18/96, 5/11/96, 3/8/96 be in Shelden Gulch
3/13/96, 9/27/92, 11/9/92, 11/25/92, 4/13/93

A3 Field Review
 Review Participants Theodore Wooten
 Adequate Review Route (no) (yes) Date 5/11/96 Explain _____
 Accurate Maps (no) (yes) Explain _____
 Accurate Habitat Mapping (no) (yes) Explain _____
 Adequate Surveys (no) (yes) Explain _____

Habitat Characteristics 2nd growth RW, DF + TO

PLAN NAME Harvesty THP

NSO ASSIGN # _____ ORIG # _____
 THP # T-96-26450N

Project Evaluation

81 NSO's detected within 1.3 miles of operations area? () no (x) yes Date last detected 3/18/96
 NSO's present now? () unknown (x) yes: () onsite () 500' () 1000' () 0.7mi () 1.3mi
 Will NSO habitat retention standards be met post-harvest? () no (x) yes Describe post-harvest habitat characteristics to support NSO's: selection harvesting
will maintain canopy in area. opening of stand
will increase woodrat populations (see Filler 1991)

Estimated Habitat Retention Acres (pre/post harvest):

| | 500' | 1000' | 0.7mi | 1.3mi |
|-------------|-------|-------|-------|-------|
| Nest | _____ | _____ | _____ | _____ |
| Roost | _____ | _____ | _____ | _____ |
| Forage | _____ | _____ | _____ | _____ |
| Non-Habitat | _____ | _____ | _____ | _____ |

} 2450, 2450

82 Is this consultation for more than one (1) THP? () no (x) yes
 List all known NSO consultations within 1.3 mi of this survey area
none

83 Will the proposed plan significantly disrupt, impair or modify (if YES or UNK, explain in B4):

| | NO | N/A | UNK | YES |
|--|----|-----|-----|-----|
| a. Local Movement (onsite or within 0.5 mi of NSO) | ✓ | — | — | — |
| b. Dispersal Opportunity (within 1 mi of NSO) | ✓ | — | — | — |
| c. Prey Base (within 0.5 mi of NSO) | ✓ | — | — | — |
| d. Foraging Habitat | ✓ | — | — | — |
| e. Roosting Structure | ✓ | — | — | — |
| f. Roosting Behavior | ✓ | — | — | — |
| g. Nesting Structure | ✓ | — | — | — |
| h. Nesting Behavior | ✓ | — | — | — |
| i. Other (predation, exposure, etc.) | ✓ | — | — | — |

84 Comments (evaluate adequacy of information provided, compliance with accepted guidelines, and features specific to this survey area) Pair of adjacent
owls have been surveyed since 1992.

(Name of preparer for Parts A & B, if different from designated biologist: _____)

PLAN NAME Hurwitz THP

NSO ASSIGN # _____ ORIG # _____
THP # I-96-76450N

Consultation Determination

ENTRIES ON THIS PAGE CAN BE COMPLETED ONLY BY DESIGNATED BIOLOGIST (CROSS OUT INAPPROPRIATE LANGUAGE AND INITIAL ABOVE EACH CROSS OUT):

Pursuant to the Protocol for Surveying Proposed Management Activities that may impact Northern Spotted Owls, endorsed and revised by the U.S. Fish and Wildlife Service (USFWS) on March 17, 1992, subsequent revisions to the protocol issued by the USFWS, and other scientific information available to me, I ~~have~~^{tw} ~~not~~ verified in the field the information submitted and have concluded that:

- C1 The information provided ~~is~~^{tw} ~~not~~ sufficient to complete my evaluation.
- C2 The surveys provided to me ~~do~~^{tw} ~~not~~ conform to the Protocol issued and revised by USFWS.
- C3 The information provided to me and the field review of the plan and surrounding area lead me to conclude that:
 - C3-1. The plan area ~~is~~^{tw} ~~not~~ suitable northern spotted owl habitat;
 - C3-2. The project area and surrounding habitat ~~has~~^{tw} ~~not~~ been adequately evaluated for the presence of northern spotted owls;
 - C3-3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ~~is~~^{tw} ~~not~~ likely; and
 - C3-4. The potential for this plan to result in the "unauthorized incidental take" of a northern spotted owl ~~is~~^{tw} ~~not~~ likely.

A determination that the potential for unauthorized incidental take has been minimized (C3, above) remains valid until the start of the breeding season in the year 1997. For operations to be conducted after the start of the breeding season in that year, surveys must be completed during the breeding season prior to the start of operations and submitted for re-evaluation.

This consultation checklist applies to a plan or proposal that (initial applicable findings):

- C4() Does not need to be revised to minimize unauthorized incidental take.
- C5() Has been revised to minimize unauthorized incidental take, as described in the attached comments.
- C6() Requires revisions in order to minimize unauthorized incidental take, as described in the attached comments.
- C7() For which the consultation checklist cannot be completed until additional information is submitted (Sections 919.10(C), 939.10(C)). The necessary information is described in the attached comments.

This consultation checklist ~~does~~^{tw} ~~not~~ include additional pages as indicated below:

- C8() Comments describing necessary revisions or information, DFG 726-FORM 3A.5 (number of pages _____).
- C9() Confidential site information, DFG 726-FORM 3B.5 (number of pages 10). (may include Spotted Owl Observation Report Form)

Signature Theodore W Wooster
 Designated Biologist
 Print Name Theodore W Wooster
 Date Completed 5/11/96

Form Distribution:

- Original () Designated Biologist
- Copies () RPF
- () CDF (Referral Office)
- () DFG (NSO Consultation Coordinator)

End of Hurwitz THP#1-96-264 SON and beginning of Mt. Gilead THP#1-94-374 SON NSO FIELD SURVEY FOR Mt. Gilead 1994 CALLS 1,2,3

LANDOWNER Mt. Gilead THP#1-94-374 SON OBSERVERS Jim Berry & BABY KAITY (17 months old) DFG TERRITORY NO. SON 0031 CALL # 1

Quad Name: Camp Meeker (7.5 Min & NAD 27) GENERAL LOCATION north of intersection of Green Valley and Harrison Grade road S 14 & 15, T7N, R10W See maps

HABITAT: Redwood Coast- Douglas Fir, Rwd., Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d

DATE @ START 3 February 1994 START TIME (2400 clock): 1700 END TIME: 1817 TOTAL TIME: 77

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 49- 55 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 1700 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- PILEATED WOODPECK AND RAVENS & DOGS |
| 1750 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 1807 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE FROGS & DOGS |

DATE @ START 18 March 1994 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 1930 END TIME: 2015 TOTAL TIME: 45

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no temp.range. 47-52 deg. F

| | | | | |
|------|-------------------|---|-----|------------------|
| 1930 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 1945 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 2005 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |

DATE @ START 28 March 1994 CALL # 3 OBSERVERS Jim Berry

START TIME (2400 clock): 1920 END TIME: 2220 TOTAL TIME: 60

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 51-52F

| | | | | |
|------|-------------------|---|-----|--|
| 1920 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- WINGS SOUND IN TREES |
| 1950 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE SAWWHETT CALL |
| 2010 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE PYGMY CALL & BABY KAITY CRYING AND CRYING |

NORTHERN SPOTTEDOWL FIELD SURVEY FOR Mt. Gilead 1994 CALLS 4, 5

LANDOWNER **Mt. Gilead** THP#1-94-374 SON OBSERVERS Jim Berry CALL # 4

GENERAL LOCATION **north of intersection of Green Valley and Harrison Grade road** Quad Name: **Camp Meeker** (7.5 Min & NAD 27) S 14 & 15, T7N, R10W See maps

DATE @ START 14 April 1994 START TIME (2400 clock): 2052 END TIME: 2150 TOTAL TIME: 58

HABITAT: **Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d**

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm temp.range.64-67 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|---|---|---|
| 2052 2115 2140 | STATION A SEE MAP STATION B SEE MAP STATION C SEE MAP | P P P | N/A N/A N/A | NO NSO RESPONSE- 2 PYGMIES NO NSO RESPONSE HUMAN VOICES NO NSO RESPONSE |

DATE @ START 3 May 1994 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 2145 END TIME: 2232 TOTAL TIME: 47

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 53-57 F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2145 2200 2222 | STATION A SEE MAP STATION B SEE MAP STATION C SEE MAP | P P P | N/A N/A N/A | NO NSO RESPONSE- NO NSO RESPONSE HUMAN VOICES NO NSO RESPONSE |

PLAN NAME mt. Hiland

NSO ASSIGN #

ORIG #

THP # 1-97-374

Date Referral Received by DFG: 5/28/94 Date RPF Notified: _____ Alternative Used: SON

Date Referral Received by CDF: _____ USGS Quad Name Camp Meeker

(Date Referral Received by Designated Biologist: 5/28/94 (DB fill in)) (47.5" x 115")

**CALIFORNIA DEPARTMENT OF FISH AND GAME
NORTHERN SPOTTED OWL CONSULTATION CHECKLIST**

A1 Plan Submitter Berry
Consultation Information Submitter Jim Berry & 7 Workers
Watershed/Tributaries Green Valley Creek
Township 7N Range R10W Sections 14 & 15 County Sonoma

Plan Acres/Silviculture 55 acres - selection

A2 Document Review Submitted Needed Explanation _____
Plan Description _____
Planimetric/Topographic Map _____
Habitat Map (acres/location) On/Off Site _____
Aerial Photos (if available) Source: _____ Series/Date: _____ #: _____
NSO Location Map (1.3 Miles) Nest/Roost _____
DataBase (CDF Printout) Date/Results 11/15/93
(DFG Territory #) 50 & 26 & 50 & 31
(submit database printout with referral request and consultation checklist)

Survey Data Results No response
2/3/94, 3/15/94, 3/28/94, 4/14/94 & 5/3/94 - SS-NR
6/9/92, 6/26/92, 6/14/92, 7/25/92, 8/9/92 & 6/20/92 WA-NR

A3 Field Review
Review Participants Theodore Wooten
Adequate Review Route ()no yes Date 2/20/94 Explain _____
Accurate Maps ()no yes Explain _____
Accurate Habitat Mapping ()no yes Explain _____
Adequate Surveys ()no yes Explain _____

Habitat Characteristics 2nd growth DK

PLAN NAME mt island

NSO ASSIGN # _____ ORIG # _____
THP # 1-94-374

SON

Consultation Determination

(ENTRIES ON THIS PAGE CAN BE COMPLETED ONLY BY DESIGNATED BIOLOGIST) (cross out inappropriate language and initial above each cross out):

Pursuant to the Protocol for Surveying Proposed Management Activities that may impact Northern Spotted Owls, endorsed and revised by the U.S. Fish and Wildlife Service (USFWS) on March 17, 1992, subsequent revisions to the protocol issued by the USFWS, and other scientific information available to me, I ~~have~~^{tw} ~~have not~~ verified in the field the information submitted and have concluded that:

- C1 The information provided ~~is/is not~~^{tw} sufficient to complete my evaluation.
- C2 The surveys provided to me ~~do/de not~~ conform to the Protocol issued and revised by USFWS.
- C3 The information provided to me and the field review of the plan and surrounding area lead me to conclude that:
 - C3-1. The plan area ~~is/is not~~^{tw} suitable northern spotted owl habitat;
 - C3-2. The project area and surrounding habitat ~~has/has not~~^{tw} been adequately evaluated for the presence of northern spotted owls;
 - C3-3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ~~is/is not~~ likely; and
 - C3-4. The potential for this plan to result in the "unauthorized incidental take" of a northern spotted owl ~~is/is not~~ likely.

A determination that the potential for unauthorized incidental take has been minimized (C3, above) remains valid until the start of the breeding season in the year 1995. For operations to be conducted after the start of the breeding season in that year, surveys must be completed during the breeding season prior to the start of operations and submitted for re-evaluation.

This consultation checklist applies to a plan or proposal that (initial applicable findings):

- C4() Does not need to be revised to minimize unauthorized incidental take.
- C5() Has been revised to minimize unauthorized incidental take, as described in the attached comments.
- C6() Requires revisions in order to minimize unauthorized incidental take, as described in the attached comments.
- C7() For which the consultation checklist cannot be completed until additional information is submitted (Sections 919.10(C), 939.10(C)). The necessary information is described in the attached comments.

This consultation checklist ~~does/does not~~^{tw} include additional pages as indicated below:

- C8() Comments describing necessary revisions or information, DFG 726-FORM 3A.5 (number of pages _____).
- C9() Confidential site information, DFG 726-FORM 3B.5 (number of pages _____). (may include Spotted Owl Observation Report Form)

Signature [Signature]
Designated Biologist
Print Name Therese Weston
Date Completed 5/29/94

Form Distribution:

| | | |
|----------|-------------------------------------|------------------------------------|
| Original | <input checked="" type="checkbox"/> | Designated Biologist |
| Copies | <input checked="" type="checkbox"/> | RPF |
| | <input checked="" type="checkbox"/> | CDF (Referral Office) |
| | <input checked="" type="checkbox"/> | DFG (NSO Consultation Coordinator) |

61

End of Mt. Gilead THP#1-94-374 SON and beginning of Chenoweth THP# 1-97-237 SON

1/3 mile N.S. Oradus veg tation for Chenoweth T.K.P.

conifer-hardwoods

2517 ac. 74.4%

orchard & vineyard
154 ac. 4.5%

grasslands
20.0% 680 ac

Ponds & lakes
37 ac. 1.1%

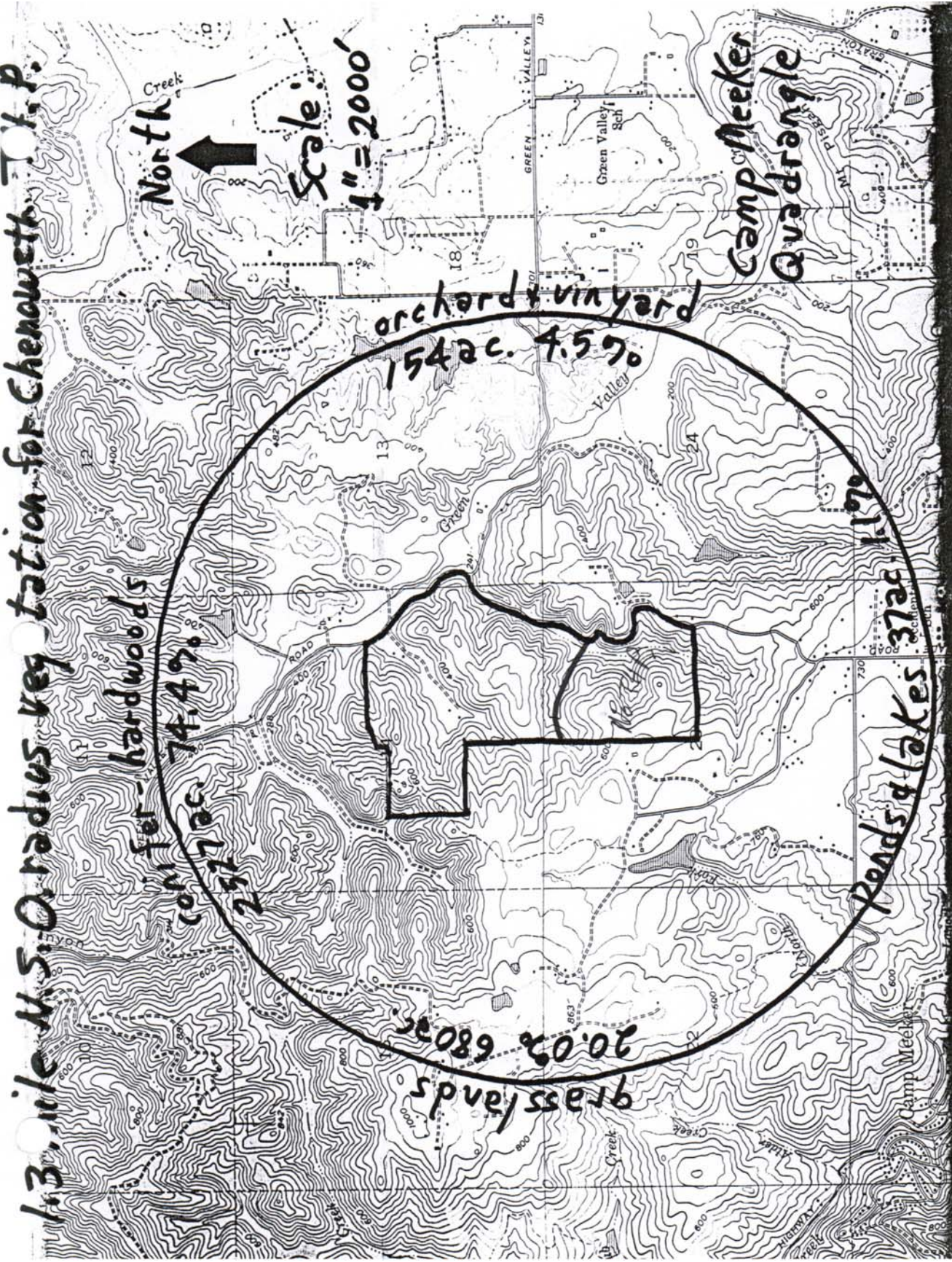
North



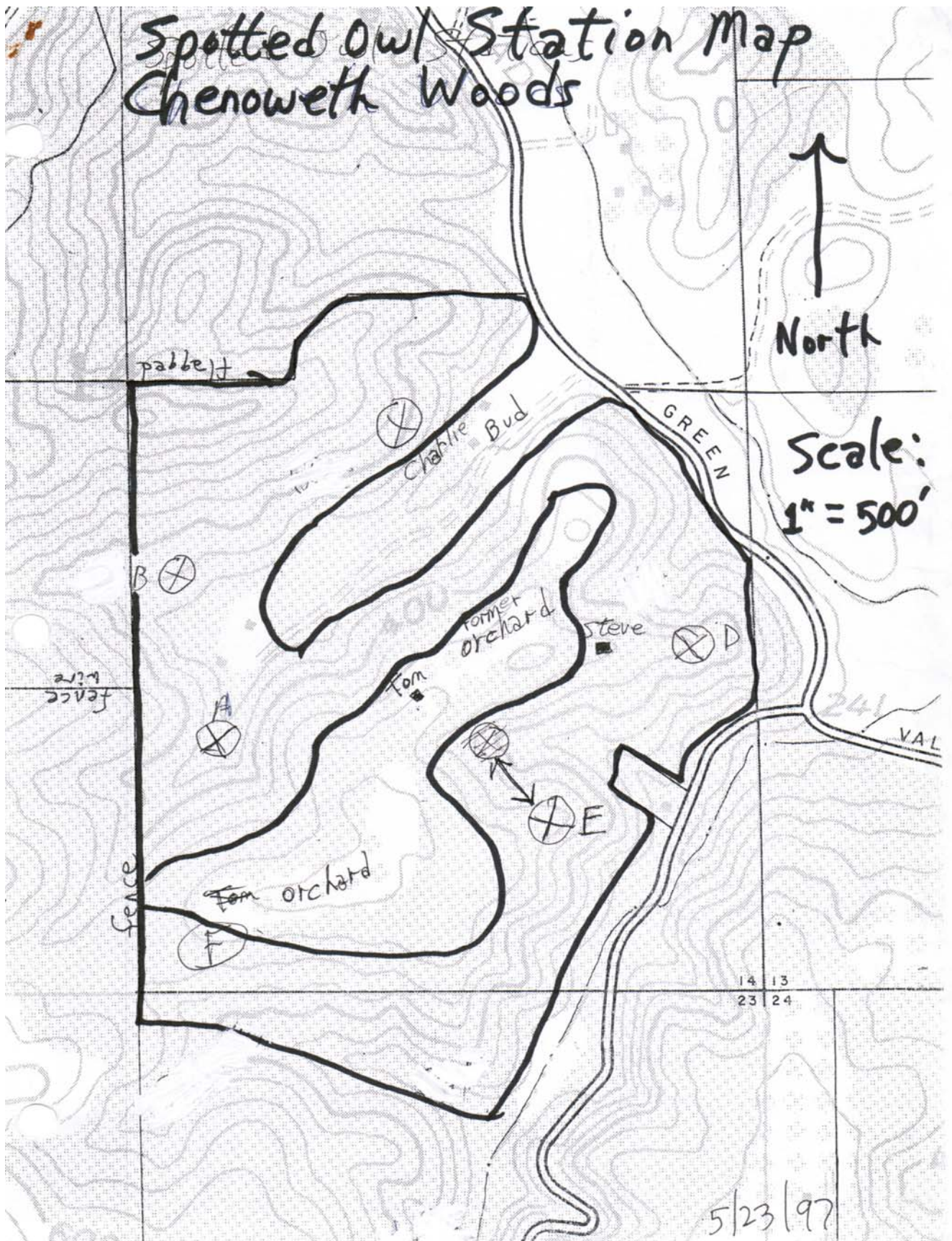
Scale:

1" = 2000'

Camp Meeker
Quadrangle



Spotted Owl Station Map Chenoweth Woods



NORTHERN SPOTTED OWL FIELD SURVEY FOR Chenoweth 1995 CALLS 1,2,3

LANDOWNER **CHENOWETH** THP#1-97-237 SON OBSERVERS Jim Berry DFG TERRITORY NO. SON 0031 CALL # 1

GENERAL LOCATION **north of intersection of Green Valley and Harrison Grade road** Quad Name: Camp Meeker 7.5 Min S 14 & 23, T7N, R10W

DATE @ START 13 July 1995 START TIME (2400 clock): 2145 END TIME: 2350 TOTAL TIME: 125

HABITAT: **Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d**

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 45 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2145 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 2210 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 2230 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |
| 2300 | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |
| 2320 | STATION E SEE MAP | P | N/A | NO NSO RESPONSE |
| 2340 | STATION F SEE MAP | P | N/A | NO NSO RESPONSE |

DATE @ START 26 July 1995 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 2200 END TIME: 2242 TOTAL TIME: 102

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no temp.range. 69-77 degrees F

| | | | | |
|------|-------------------|---|-----|------------------|
| 2200 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 2215 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 2230 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |
| 2300 | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |
| 2320 | STATION E SEE MAP | P | N/A | NO NSO RESPONSE |
| 2332 | STATION F SEE MAP | P | N/A | NO NSO RESPONSE |

DATE @ START 2 Aug 1995 CALL # 3 OBSERVERS Jim Berry

START TIME (2400 clock): 1800 END TIME: 1951 TOTAL TIME: 111

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze temp. range 69-80 F

| | | | | |
|------|-------------------|---|-----|------------------|
| 1800 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 1820 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 1845 | STATION C SEE MAP | P | N/A | NO NSO RESPONSE |
| 1910 | STATION D SEE MAP | P | N/A | NO NSO RESPONSE |
| 1924 | STATION E SEE MAP | P | N/A | NO NSO RESPONSE |
| 1941 | STATION F SEE MAP | P | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY FOR Chenoweth 1997 CALLS 4,5,6

LANDOWNER **CHENOWETH** THP #1-97-237 SON OBSERVERS Jim Berry DFG TERRITORY NO. SON 0031 CALL # 4

GENERAL LOCATION **north of intersection of Green Valley and Harrison Grade road** Quad Name: Camp Meeker 7.5 Min DATE @ START 11 April 1997 START TIME (2400 clock): 2108 END TIME: 2243 TOTAL TIME: 95

HABITAT: **Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d**

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 62 deg. F Haile-Bopp Comet

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2108 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 2122 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE |
| 2132 | STATION C SEE MAP | P | | NO NSO RESPONSE frogs and dogs |
| 2159 | STATION D SEE MAP | P | | NO NSO RESPONSE 3 1/2 year old human noise |
| 2216 | STATION E SEE MAP | P | | NO NSO RESPONSE |
| 2233 | STATION F SEE MAP | P | | NO NSO RESPONSE |

DATE @ START 21 April 1997 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 1939 END TIME: 2105 TOTAL TIME: 86

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-------------------|---|-----|------------------------------------|
| 1939 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- 63 degrees |
| 1953 | STATION B SEE MAP | P | N/A | NO NSO RESPONSE plane 61 degees |
| 2006 | STATION C SEE MAP | P | | NO NSO RESPONSE chirp in tree tops |
| 2023 | STATION D SEE MAP | P | | NO NSO RESPONSE breeze |
| 2040 | STATION E SEE MAP | P | | NO NSO RESPONSE wind, jet |
| 2055 | STATION F SEE MAP | P | | NO NSO RESPONSE full moon |

DATE @ START 28 April 1997 CALL # 6 OBSERVERS Jim Berry

START TIME (2400 clock): 2043 END TIME: 2220 TOTAL TIME: 97

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|-------------------|---|-----|-------------------------------------|
| 2043 | STATION A SEE MAP | P | N/A | NO NSO RESPONSE- |
| 2056 | STATION B SEE MAP | P | N?A | NO NSO RESPONSE SCREECH OWL 67 DEG. |
| 2124 | STATION C SEE MAP | P | | NO NSO RESPONSE DOGS |
| 2142 | STATION D SEE MAP | P | | NO NSO RESPONSE |
| 2156 | STATION E SEE MAP | P | | NO NSO RESPONSE YOUNG DOE |
| 2210 | STATION F SEE MAP | P | | NO NSO RESPONSE FOGGY |

Pedroia Timber Harvest Plan Habitat Conservation

THP# 1-91-09850N



★ Totally open or orchard areage = 1619[±] or 47.6% of area
 Two owls within this open area indicates a typical
 forest cover i.e. dense 2 story mixed young growth is
 very patchy. Large blocks of unbroken forest may not
 be needed for long term survival of Spotted Owl.
 Approximately 1/2 of the commercial size conifers will be
 harvested. Perhaps 35-40% by number and 50-60%
 of board foot volume will be thinned out. Canopy will
 be affected much less due to simply thinning clumps (Rwd.)

THP # L-91-098 501
 Alternative Used # _____
 Assignment # _____

California Department of Fish and Game
 Spotted Owl Plan Review Checklist/Worksheet

A. Spotted Owl Plan Name (if any) Vince Pedraza THP
 Plan Submitter Jim Barry RPF for Pedraza
 Watershed/Tributaries Salmon Creek
 Township 6N Range 10W Section 2 County Sonoma
 Operation Acres 32 Silvicultural Method (acres) selection

Dates:
 Received by DFG 2/11/91 Received by Designated Biologist _____
 RPF Notified 2/11/91
 Plan Reviews 2/11/91 Field Inspections 2/11/91
 Field Review Participants (name/organization) Theodore Woster, C.F.G.
Jim Barry, RPF.

- A1. Document Review *yes/no*
 (Check adequacy of plan content) (Briefly describe adequacy or relevance)
- a. Map of Habitat Types Yes
 - b. Map Readability/Clarity Yes
 - c. Map and Plan Content for Proposed Operations (haul, cable, tractor roads and landings, project scheduling, site preparation, preproject descriptions) Yes
 - d. Description of Probable Project Results (stems/acre, stem size and age, canopy closure, understory, ground disturbance, species composition) Amount of 35-40% canopy loss. 50% 60% volume. Significant component to remain in forest

e. Map and Plan Content for Key Components (potential or actual nesting, roosting, feeding)

| | nesting | roosting | feeding |
|-----------------------|-----------|-----------|-----------|
| 1. Pre-harvest acres | <u>32</u> | <u>32</u> | <u>32</u> |
| 2. Post-Harvest acres | <u>32</u> | <u>32</u> | <u>32</u> |

Received CDF
 REGION I
 MAR 22 1991

THP # 1-91-098 501
 Alternative Used # _____
 Assignment # _____

California Department of Fish and Game
 Spotted Owl Plan Review Checklist/Worksheet

A. Spotted Owl Plan Name (if any) Vince Pedraza THP
 Plan Submitter Jim Barry RPF for Pedraza
 Watershed/Tributaries Salmon Creek
 Township 6N Range 10W Section 2 County Sonoma
 Operation Acres 32 Silvicultural Method (acres) selection

Dates:
 Received by DFG 2/11/91 Received by Designated Biologist _____
 RPF Notified 2/11/91
 Plan Reviews 2/11/91 Field Inspections 2/11/91
 Field Review Participants (name/organization) Theodore Woster, C.F.G.
Jim Barry, RPF.

A1. Document Review *yes/no*
 (Check adequacy of plan content) (Briefly describe adequacy or relevance)

- a. Map of Habitat Types Yes
- b. Map Readability/Clarity Yes
- c. Map and Plan Content for Proposed Operations (haul, cable, tractor roads and landings, project scheduling, site preparation, preproject descriptions) Yes
- d. Description of Probable Project Results (stems/acre, stem size and age, canopy closure, understory, ground disturbance, species composition) Amount of 35-40% canopy loss, 50% 60% volume. Significant component to remove also present

e. Map and Plan Content for Key Components (potential or actual nesting, roosting, feeding)

| | nesting | roosting | feeding |
|-----------------------|-----------|-----------|-----------|
| 1. Pre-harvest acres | <u>32</u> | <u>32</u> | <u>32</u> |
| 2. Post-Harvest acres | <u>32</u> | <u>32</u> | <u>32</u> |

Received CDF
 REGION I

MAR 22 1991

PLAN NAME Padroia

NSO ASSIGN # _____ ORIG # _____
THP # 1-91-09850N
5015

Project Evaluation

B1 NSO's detected within 1.3 miles of operations area? () no (x) yes Date last detected 5/9/93
NSO's present now? no () yes: () onsite () 500' () 1000' () 0.7mi () 1.3mi
Will NSO habitat retention standards be met post-harvest? () no (x) yes Describe post-harvest habitat characteristics to support NSO's: selection silviculture
will maintain forage or better

Estimated Habitat Retention Acres (pre/post harvest):

| | 500' | 1000' | 0.7mi | 1.3mi |
|-------------|-------|-------|-------|--------------------|
| Nest | _____ | _____ | _____ | _____ |
| Roost | _____ | _____ | _____ | _____ |
| Forage | _____ | _____ | _____ | <u>1,779/1,779</u> |
| Non-Habitat | _____ | _____ | _____ | <u>1619/1619</u> |

B2 Is this consultation for more than one (1) THP? (x) no () yes
List all known NSO consultations within 1.3 mi of this survey area THP 1-91-09850N
see THP for list of other adjacent plans

B3 Will the proposed plan significantly disrupt, impair or modify (if YES or UNK, explain in B4):

| | NO | N/A | UNK | YES |
|--|-------------------------------------|-----|-----|-----|
| a. Local Movement (onsets or within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | — | — | — |
| b. Dispersal Opportunity (within 1 mi of NSO) | <input checked="" type="checkbox"/> | — | — | — |
| c. Prey Base (within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | — | — | — |
| d. Foraging Habitat | <input checked="" type="checkbox"/> | — | — | — |
| e. Roosting Structure | <input checked="" type="checkbox"/> | — | — | — |
| f. Roosting Behavior | <input checked="" type="checkbox"/> | — | — | — |
| g. Nesting Structure | <input checked="" type="checkbox"/> | — | — | — |
| h. Nesting Behavior | <input checked="" type="checkbox"/> | — | — | — |
| i. Other (predation, exposure, etc.) | <input checked="" type="checkbox"/> | — | — | — |

B4 Comments (evaluate adequacy of information provided, compliance with accepted guidelines, and features specific to this survey area)

(Name of preparer for Parts A & B, if different from designated biologist: _____)

Plan Name Pedroia THP # 1-91-098 501
Alternative Used # _____
Assignment # _____

c. ~~Comments~~ (explanation of project evaluation responses) This plan is
subject to the requirements in the November 28, 1990 letter from
Stacey to Ray Utterback.

() Check here if additional pages are attached (number of pages _____)

B1. I have reviewed the proposed timber operations and Spotted Owl information and
* ~~have/have not~~ ^{rw} completed a site specific review. The information provided is
* ~~sufficient/not sufficient~~ ^{rw} for me to complete my evaluation. The information
provided and my observations * ~~lead me to conclude that/are insufficient to~~ ^{rw}
~~determine if~~ the proposed operations * ~~will/will not~~ ^{rw} likely result in "take"
of the Northern Spotted Owl as described in the Federal Endangered Species Act
and the Forest Practice Rules.

(* cross out inappropriate recommendation language and initial above
appropriate recommendation language.)

B2. () This checklist/worksheet applies to a plan or proposal that doesn't need to
be changed to avoid a "take".
() This checklist/worksheet applies to a plan or proposal that requires changes
to avoid a "take". Required changes are described in the comments section
and any attached pages.

Reviewer Theodore Ulbricht
(Designated Biologist)

Signature Theodore Ulbricht

Date Completed 3/10/91

- Copies to:
- () ~~Comments~~
 - () CDF (referral office)
 - () CDF (Regional Office)
 - () DFG (HQ Coordinator) **ORIGINAL**
 - () DFG (Office of Origin)
 - () DFG (Region Office Coordinator)

Received CDF
REGION I
MAR 22 1991
RESOURCE MANAGEMENT

April 29, 1991

Ref. THP #1-91-098 Rec.# 7

Review Chairman
P.O. Box 670
Santa Rosa, CA 95402

Mr. Chairman,

A Spotted owl nest with young has been located by Ted Wooster on April 27 in the center of the plan and near the 8 acre natural field. This field is covered with Coyote bush and Poison Oak. The nest was located by the forester in a 150 year-old suppressed Redwood surrounded by 90-100 year old Redwood sprouts. The nest is located approximately 80' up in the tree and an adult was called immediately by voice call and sight with a telescope. One fledgling is known to be in the nest. The nest is in a swale where a spring has been developed and abandoned years ago.

A 250' radius preserve has been flagged by Wooster which preserves ^{several} nice second growth Redwood groups. Approximately 30,000 board feet of nice Redwood worth about \$6000 will be left in this circle to protect nesting owl. This is the best timber on this plan.

The nest is west facing and this "bowl" gets quite warm in ~~the~~ afternoons although Salmon Creek is within a 1000' for cooler conditions. Any timber harvested near this zone will be felled outside this "SOZ" and will be an EEZ as well. All roads and landings are clear of this zone.

Received CDF
REGION I

MAY 02 1991

RESOURCE MANAGEMENT

RPF: LOREN M. BERRY
RQST. NO.: 1025

#: 1193

03/01/96
Pg: 1

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM
Version 2.0
JANUARY 1, 1996 DATA

REPORT #2

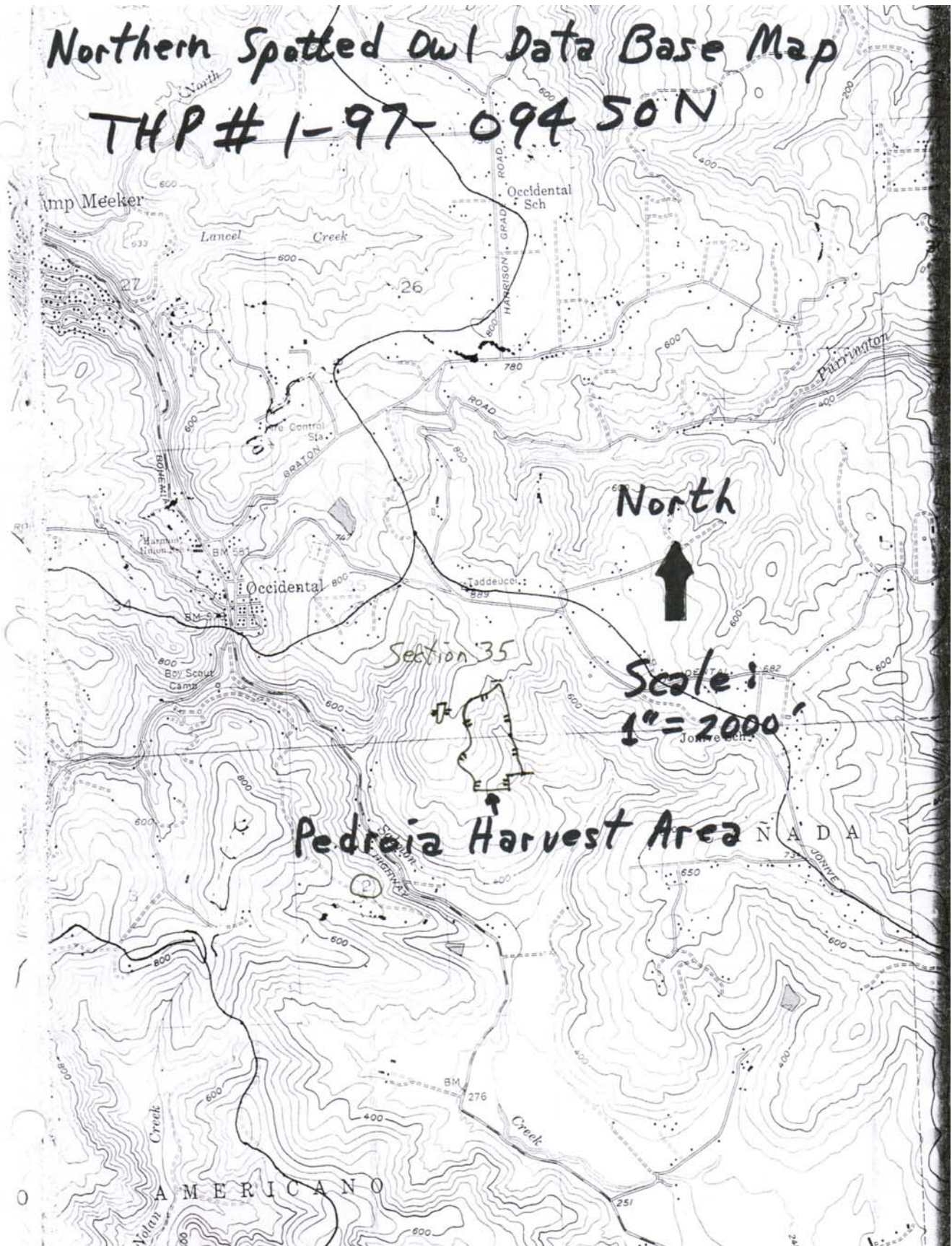
REPORT OF TERRITORIES FOUND

| LOCALE | TWN | RNG | SECT | 1/4 | 1/16 | 1/64 | OWNER TYPE | OWNER | YEAR | TERR. | NEST/YNG KNOWN |
|----------------------|-----|-----|------|-----|------|------|---------------|--------|--------------|------------|-------------------|
| áááááááááááááááááááá | ááá | ááá | áááá | ááá | áááá | áááá | áááááá | áááááá | áááááááááááá | áááááááááá | |
| TERRITORY: SO015 | | | | | | | | | | | |
| SALMON CR | 7N | 10W | 35 | SW | S | S | PVT | | 93 | - P | 91 - |
| TERRITORY: SO039 | | | | | | | | | | | |
| SALMON CR | 6N | 10W | 11 | NW | | | PVT | | 94 | - P | 93 - 93 |

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANATION SHEET" DATED AFTER JANUARY 1, 1994.

Northern Spotted Owl Data Base Map

THP # 1-97-094 50 N



North



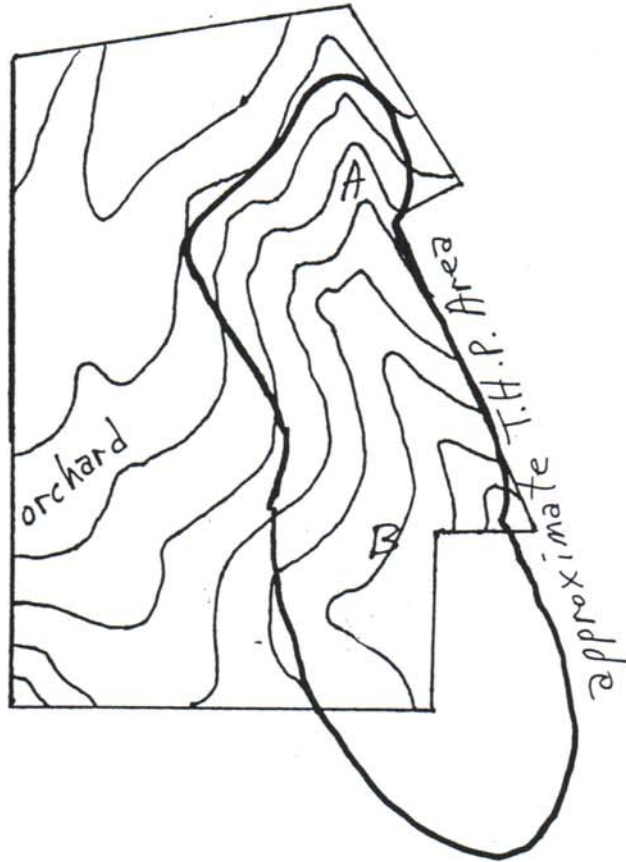
Scale: 1" = 2000'

Pedreira Harvest Area

Pedroia Timber Harvest Plan Map

Northern Spotted Owl Stations
A, B,

THP# 1-97-094 SON

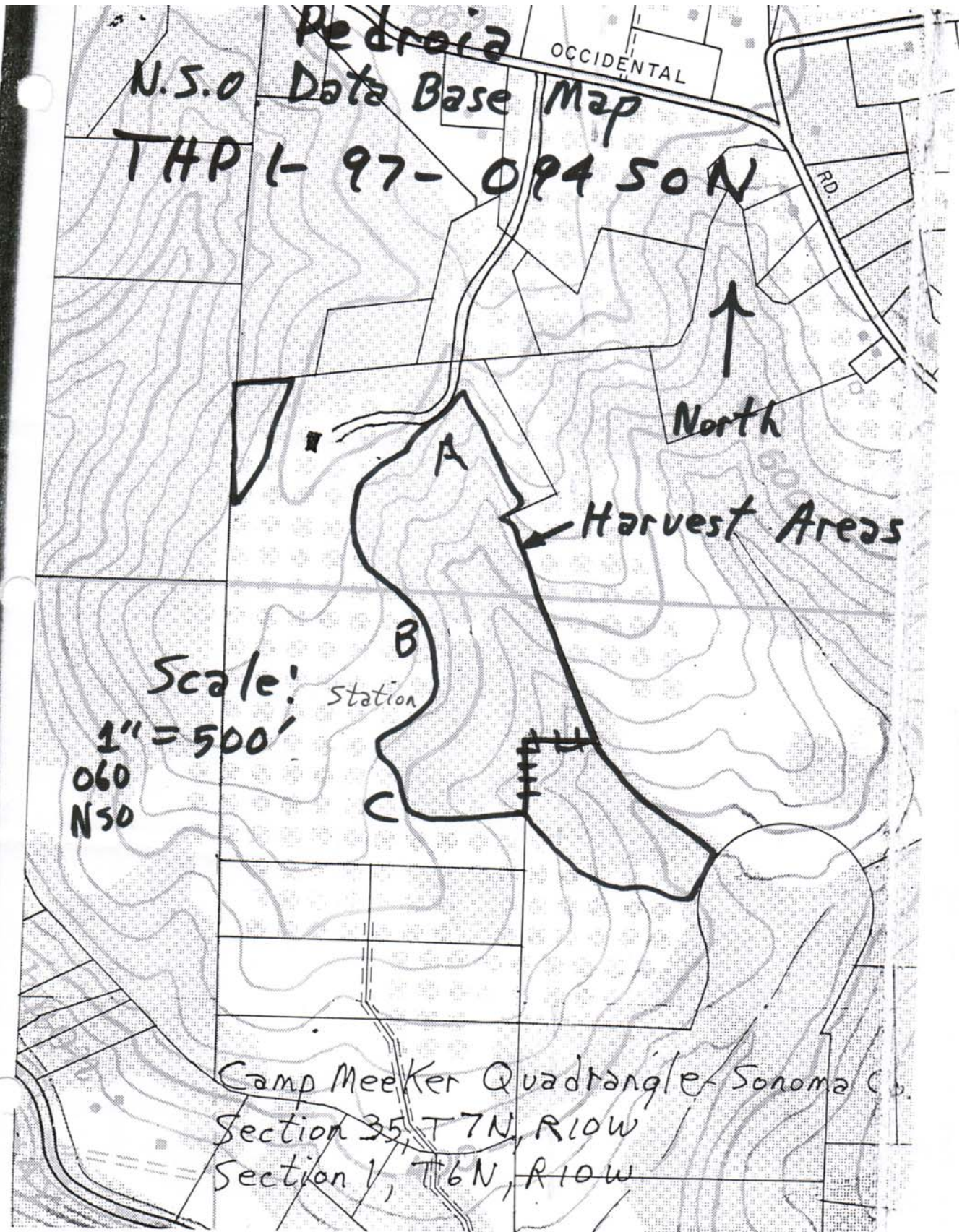


North



Scale:
1" = 500'

Sonoma County
Camp Meeker Quadrangle
T6N, R10W, Section 35
T7N, R10W, Section
Headwaters Salmon Creek



Pedroia

N.S.O Data Base Map

T4P1-97-09450N

OCCIDENTAL

RD

↑
North

Harvest Areas

Scale: station

1" = 500'
060
N50

Camp Meeker Quadrangle - Sonoma Co.
Section 35, T7N, R10W
Section 1, T6N, R10W

NORTHERN SPOTTED OWL FIELD SURVEY FOR Pedroia 1996 CALLS 1,2,3

LANDOWNER **PEDROIA** THP#1-97-094 SON OBSERVERS Jim Berry CALL # 1
 DFG TERRITORY NO. 015 Latitude =38.5381696 Longitude=123.0114449

GENERAL LOCATION **0.5 miles SW of Occidental- Salmon Creek** COUNTY: **Sonoma** Quad Name: Camp Meeker (7.5 Min & NAD 27)

DATE @ START **8 March 1996** START TIME (2400 clock): 2250 END TIME: 2320 TOTAL TIME: 40

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 45 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2250 2320 | STATION A SEE MAP STATION B SEE MAP | P P | N/A N/A | NO NSO RESPONSE- NO NSO RESPONSE Pygmy, dogs, stereo, planes |

DATE @ START **18 March 1996** CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 2030 END TIME: 2130 TOTAL TIME: 60

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|---------------|-------|-----|--|
| 2030 | Lower Orchard | P (B) | N/A | NO NSO RESPONSE- one dog and Bohemian Hwy. Sawwhett calling from near former NSO nest |
| 2120 | Top of canyon | P (A) | N?A | |

DATE @ START **25 March 1996** CALL # 3 OBSERVERS Jim Berry/ Ted Wooster

START TIME (2400 clock): 2140 END TIME: 2040 TOTAL 60

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|--------------|--|--------|------------|---|
| 1940 2030 | east of orchard-field north of forest | P P | N/A N?A | NO NSO RESPONSE NO NSO RESPONSE See Wooster "take-no take" report |
|--------------|--|--------|------------|---|

NORTHERN SPOTTED OWL FIELD SURVEY FOR Pedroia 1996-7 CALLS 4,5,6

LANDOWNER **PEDROIA** THP#1-97-094 SON DFG TERRITORY NO. SON 0015 Latitude =38.5381696 Longitude=123.0114449
 CALL # 4 OBSERVERS Jim Berry

GENERAL LOCATION 1.5 miles SW of Occidental- Salmon Creek Quad Name: Camp Meeker (7.5 Min & NAD 27)
 DATE @ START 2 April 1996 START TIME (2400 clock): 1915 END TIME: 2015 TOTAL TIME: 60

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 45 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|---|--|---|
| 2400 clock | | | | |
| 1915 2015 | continuous call down Green canyon | P P | N/A N/A | NO NSO RESPONSE- NO NSO RESPONSE |

DATE @ START 28 June 1996 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 2234 END TIME: 2344 TOTAL TIME: 70

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|---|--|---|
| 2400 clock | | | | |
| 2234 | continuous call through 3 stations | P (C) | N/A | NO NSO RESPONSE- 70 degrees |
| | | P (B) | N?A | NO NSO RESPONSE 75 degrees |
| 2344 | | P (C) | N/A | NO NSO RESPONSE 73 degrees |

DATE @ START 28 February 1997 CALL # 6 OBSERVERS Jim Berry, Ted Wooster

START TIME (2400 clock): 1820 END TIME: 1910 TOTAL TIME: 50

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze 50 degrees partly cloudy

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|---|--|---|
| 2400 clock | | | | |
| 1820 1900 | east of orchard-field north of forest | P P | N/A N/A | NO NSO RESPONSE Bohemian Hwy. NO NSO RESPONSE dogs 50 degrees |

FAX 707-865-2048

PLAN NAME Pedroia

NSO ASSIGN # _____ ORG # _____
THP # _____

Date Referral Received by DFG: 8/27/96 Date RPF Notified: _____ Alternative Used: _____

Date Referral Received by CDF: _____ USGS Quad Name Camp Meeker

(Date Referral Received by Designated Biologist: 8/27/96 (DB fill in)) 17.5" (115"

CALIFORNIA DEPARTMENT OF FISH AND GAME
NORTHERN SPOTTED OWL CONSULTATION CHECKLIST

A1 Plan Submitter Pedroia
Consultation Information Submitter Wooden, Jim Berry
Watershed/Tributaries Salmon Creek

| Township | Range | Sections | County |
|------------|-------------|-----------|---------------|
| <u>T7N</u> | <u>R10W</u> | <u>35</u> | <u>Sonoma</u> |
| <u>T6N</u> | <u>R10W</u> | <u>2</u> | <u>Sonoma</u> |

Plan Acres/Gilviculture + 31 acres - selection

A2

| Document Review | Submitted | Needed | Explanation |
|-------------------------------------|--------------------------------------|--------------------------|----------------------------|
| Plan Description | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Planmetric/Topographic Map | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Habitat Map (acres/location) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | On/Off Site _____ |
| Aerial Photos (if available) | Source: <u>Satellite</u> | Series/Date: _____ | _____ |
| NSO Location Map (1.3 Miles) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Nest/Roost _____ |
| Database (CDF Printout) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Date/Results <u>3/1/96</u> |
| (DFG Territory #) <u>5015, 5039</u> | <u>no new locations since 3/1/96</u> | | |

(submit database printout with referral request and consultation checklist)

Survey Data

| Survey Date | Results |
|--|---------|
| <u>4/2/96, 6/28/96, 3/8/96, 3/15/96, 3/25/96</u> | _____ |
| <u>8/27/96, 2/28/97, 7/23/95, 2/11/91, 4/8/91, 4/27/91, 12/21/91</u> | _____ |

A3 Field Review 6/30/91, 5/18/92, 6/18/92, 1/5/93, 5/9/93
Review Participants Theodore Wooden & Jim Berry
Adequate Review Routes () no Yes Date 8/27/96 Explain _____
Accurate Maps () no Yes Explain 2/28/97, numerous times
Accurate Habitat Mapping () no Yes Explain in 1991, 1992, 1993
Adequate Surveys () no Yes Explain _____

Habitat Characteristics 2nd growth RW, DF, TO + meadow.
at landscape level area is broken up by roads,
unmanaged areas, meadows; nominally good NSO anyone
are preempted by county roads and housing.

PLAN NAME Padroia

NSO ASSIGN # _____ ORIG # _____
THP # _____

Project Evaluation

B1 NSO's detected within 1.3 miles of operations area? () no () yes Date last detected 5/9/93
 NSO's present now? no () yes: () onsite () 500' () 1000' () 0.7mi () 1.3mi
 Will NSO habitat retention standards be met post-harvest? () no () yes Describe post-harvest habitat characteristics to support NSO's: selection silviculture
will maintain forage or better

Estimated Habitat Retention Acres (pre/post harvest):

| | 500' | 1000' | 0.7mi | 1.3mi |
|-------------|-------|-------|-------|---------------|
| Nest | _____ | _____ | _____ | _____ |
| Roost | _____ | _____ | _____ | _____ |
| Forage | _____ | _____ | _____ | 1,779 / 1,779 |
| Non-Habitat | _____ | _____ | _____ | 1619 / 1619 |

B2 Is this consultation for more than one (1) THP? () no () yes
 List all known NSO consultations within 1.3 mi of this survey area THP1-91-098 SON
See THP for list of other adjacent plans

B3 Will the proposed plan significantly disrupt, impact or modify (if YES or UNK, explain in B4):

| | NO | N/A | UNK | YES |
|--|----|-----|-----|-----|
| a. Local Movement (onsets or within 0.5 mi of NSO) | ✓ | — | — | — |
| b. Dispersal Opportunity (within 1 mi of NSO) | ✓ | — | — | — |
| c. Prey Base (within 0.5 mi of NSO) | ✓ | — | — | — |
| d. Foraging Habitat | ✓ | — | — | — |
| e. Roosting Structure | ✓ | — | — | — |
| f. Roosting Behavior | ✓ | — | — | — |
| g. Nesting Structure | ✓ | — | — | — |
| h. Nesting Behavior | ✓ | — | — | — |
| i. Other (predation, exposure, etc.) | ✓ | — | — | — |

B4 Comments (evaluate adequacy of information provided, compliance with accepted guidelines, and features specific to this survey area):

(Name of preparer for Parts A & B, if different from designated biologist: _____)

PLAN NAME Pelona NSO ASSIGN # _____ ORIG # _____
 TRP # _____

Consultation Determination

ENTRIES ON THIS PAGE CAN BE COMPLETED ONLY BY DESIGNATED BIOLOGIST (CROSS OUT INAPPROPRIATE

LANGUAGE and initial above each cross out):

Pursuant to the Protocol for Surveying Proposed Management Activities that may impact Northern Spotted Owls, endorsed and revised by the U.S. Fish and Wildlife Service (USFWS) on March 17, 1992, subsequent revisions to the protocol issued by the USFWS, and other scientific information available to me, I ~~have~~^{have} ~~not~~^{not} verified in the field the information submitted and have concluded that:

- C1 The information provided ~~is~~^{is} ~~not~~^{not} sufficient to complete my evaluation.
- C2 The surveys provided to me ~~do~~^{do} ~~not~~^{not} conform to the Protocol issued and revised by USFWS.
- C3 The information provided to me and the field review of the plan and surrounding area lead me to conclude that:
 - C3-1. The plan area ~~is~~^{is} ~~not~~^{not} suitable northern spotted owl habitat;
 - C3-2. The project area and surrounding habitat ~~has~~^{has} ~~not~~^{not} been adequately evaluated for the presence of northern spotted owls;
 - C3-3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ~~is~~^{is} ~~not~~^{not} likely; and
 - C3-4. The potential for this plan to result in the "unauthorized incidental take" of a northern spotted owl ~~is~~^{is} ~~not~~^{not} likely.

A determination that the potential for unauthorized incidental take has been minimized (C3, above) remains valid until the start of the breeding season in the year 1998. For operations to be conducted after the start of the breeding season in that year, surveys must be completed during the breeding season prior to the start of operations and submitted for re-evaluation.

This consultation checklist applies to a plan or proposal that (initial applicable findings):

- C4) Does not need to be revised to minimize unauthorized incidental take.
- C5) Has been revised to minimize unauthorized incidental take, as described in the attached comments. 2 calls in April, May 1997
- C6) Requires revisions in order to minimize unauthorized incidental take, as described in the attached comments.
- C7) For which the consultation checklist cannot be completed until additional information is submitted (Sections 919.10(C), 939.10(C)). The necessary information is described in the attached comments.

This consultation checklist ~~does/does not~~^{does} include additional pages as indicated below:

- C8) Comments describing necessary revisions or information, DFG 728-FORM 3A.6 (number of pages _____).
- C9) Confidential site information, DFG 726-FORM 3B.5 (number of pages 15). (may include Spotted Owl Observation Report Form)

Signature Theodore W Wooster
 Designated Biologist

Print Name Theodore W Wooster

Date Completed 3/10/97

Form Distribution:

- Original Designated Biologist
- Copies RPF
- CDF (Referral Offices)
- DFG (NSO Consultation Coordinator)

Pedroia

THP Number _____ Plan Name Pedroia
County Sonoma Drainage Salmon Creek
Acres 25 Acres of each silviculture All Selection

CF&G NSO Database # _____ Other # _____
NSO history: The N.S.O. investigated was 1/4 mile west by Wooster-Berry in Natural Diversity Data Base # 18043.

Conditions to insure no take: Plenty of remaining potential nest trees and likely improvement of forage due to increased rodent population following harvest.

Logging history including site preparation: No harvest since about 1900 and there has been no site prep. A T.H.P. # 1-90-098 SON just west was a selective harvest around N.S.O. territory # _____ and a report from Wooster dated June 9, 1992 is enclosed.

Other comments: Pygmy and Sawwhet noted in area along field - former orchard

Figure or other document attached? yes no

Forester Jim Berry

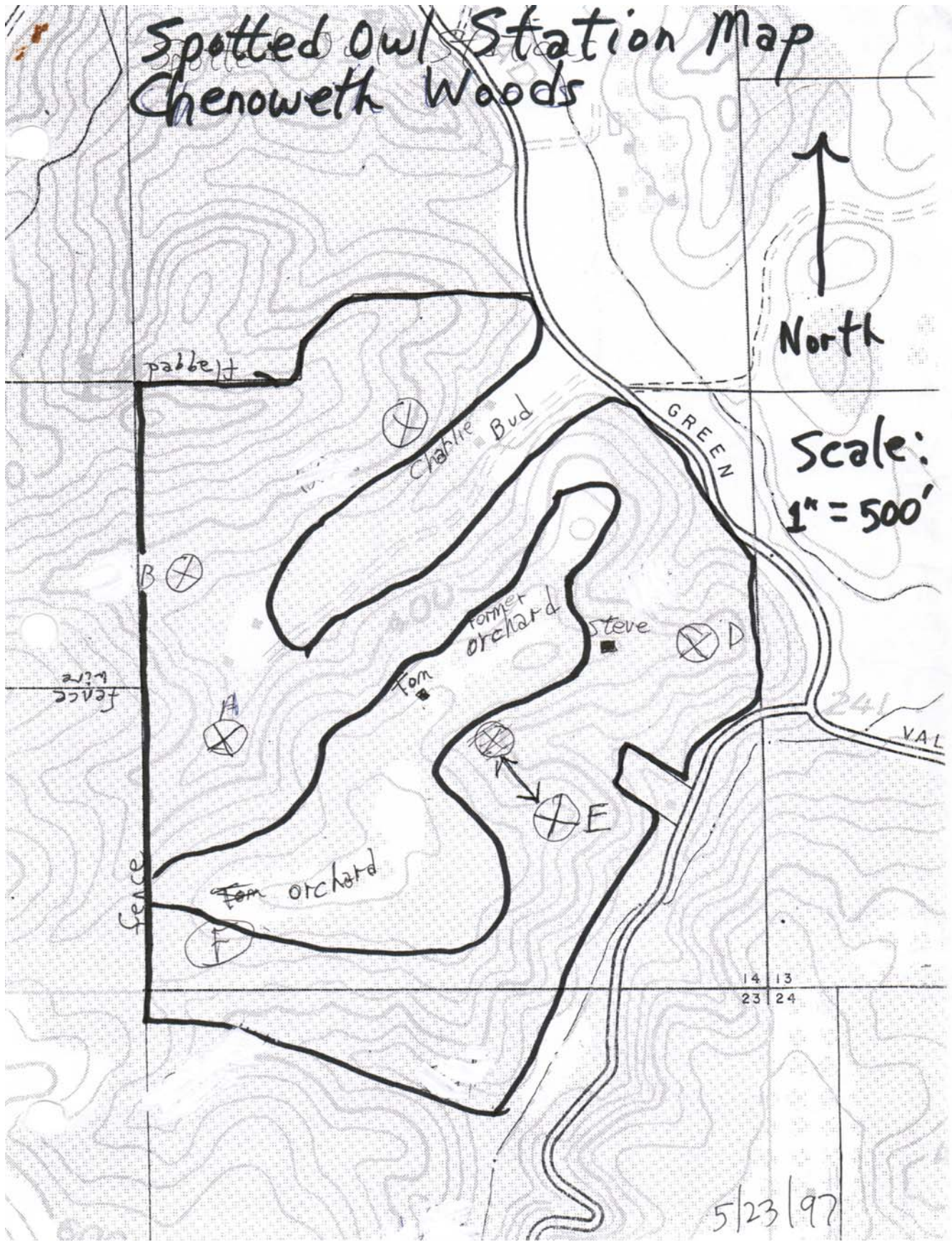
N.S.O. Survey forms

THP# 1-97-094 SON

Spotted Owl Station Map Chenoweth Woods



Scale:
1" = 500'





United States Department of the Interior

FISH AND WILDLIFE SERVICE
Arcata Fish and Wildlife Office
1655 Heindon Road
Arcata, California 95521
707-822-7201
FAX: (707) 822-8411

June 26, 2000

In Reply Refer To:
1-14-2000-TA-269b

Mr. Jim Berry
PO Box 94
Cazadero, CA 95421

Subject: Response to Request for Additional Technical Assistance Regarding the Proposed Montafi
Timber Harvest Plan (NSO Consultation #2033)

Dear Mr. Berry:

This responds to your request for additional U.S. Fish and Wildlife Service (Service) technical assistance, received in our office on June 20, 2000, on the above proposed timber harvest plan (THP). At issue in the request is the potential for incidental take of the Federally listed northern spotted owl (*Strix occidentalis caurina*) as a result of operations conducted on the above THP during the breeding season. After review of the information pertaining to this request, the Service provides the following technical assistance.

This is a 20 acre proposed THP (selection) located in Section 3, Township 6 North, Range 10 West, M.D.B.M. in Sonoma County. There are no known northern spotted owl activity centers located within 1,000 feet of the THP. The Service has determined that operations conducted on this THP would not be likely to incidentally take northern spotted owls, provided operations are complete prior to February 1, 2001.

All maps and data used to provide this technical assistance are on file at this office. If you have questions regarding this response, please contact Mr. Ken Hoffman at the Arcata Fish and Wildlife Office at (707) 822-7201.

Sincerely,

fr

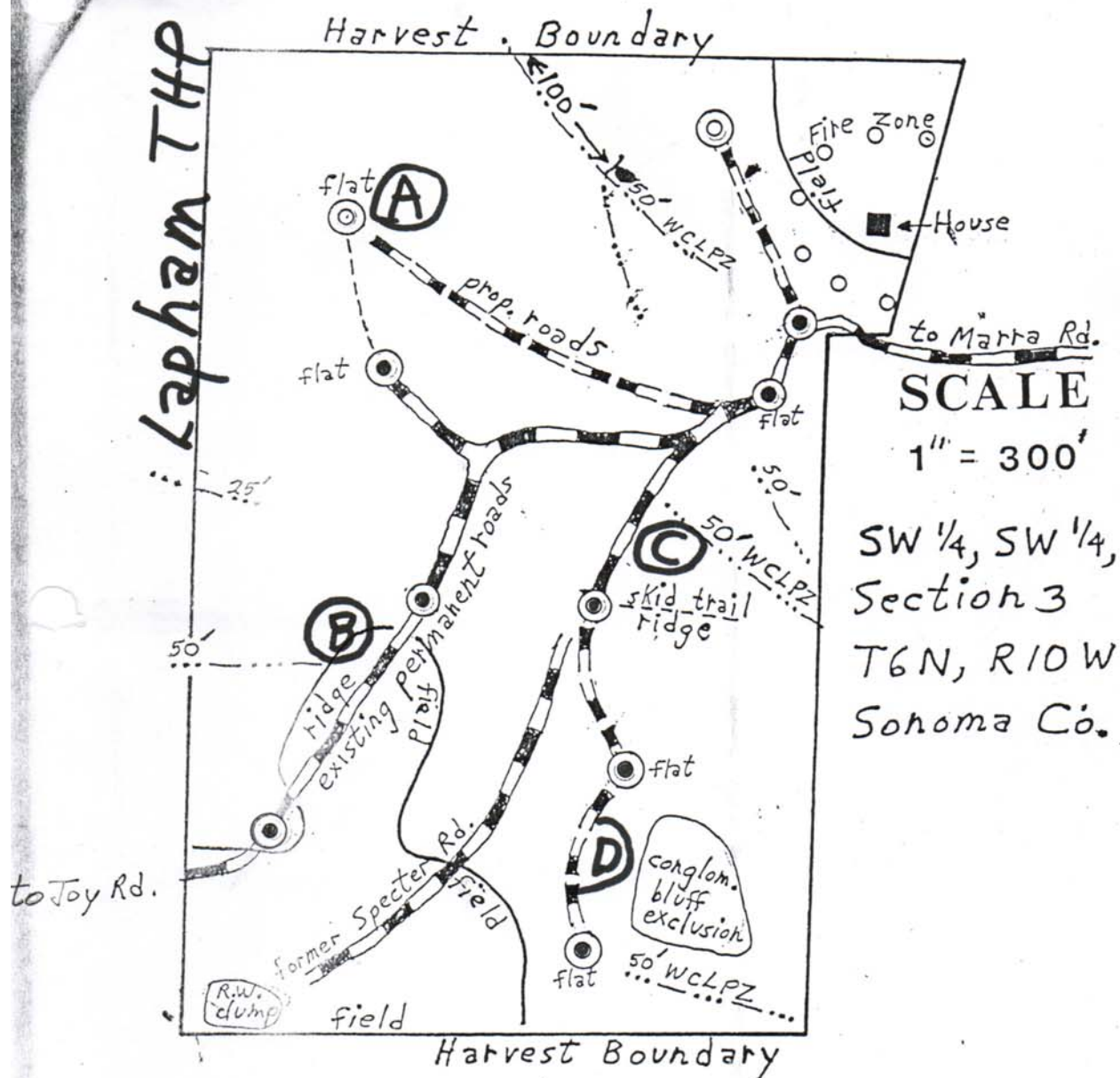
Phil Detrich
HCP Team Project Leader

cc:
CDF: R. Thompson, 135 Ridgeway Avenue, Santa Rosa, CA 95401

NSO FIELD SURVEY FOR Montafi Calls #1, 2, 3

LATHAM I.H.P.

Northern Spotted Owl Station Map (A-D)



SCALE

1" = 300'

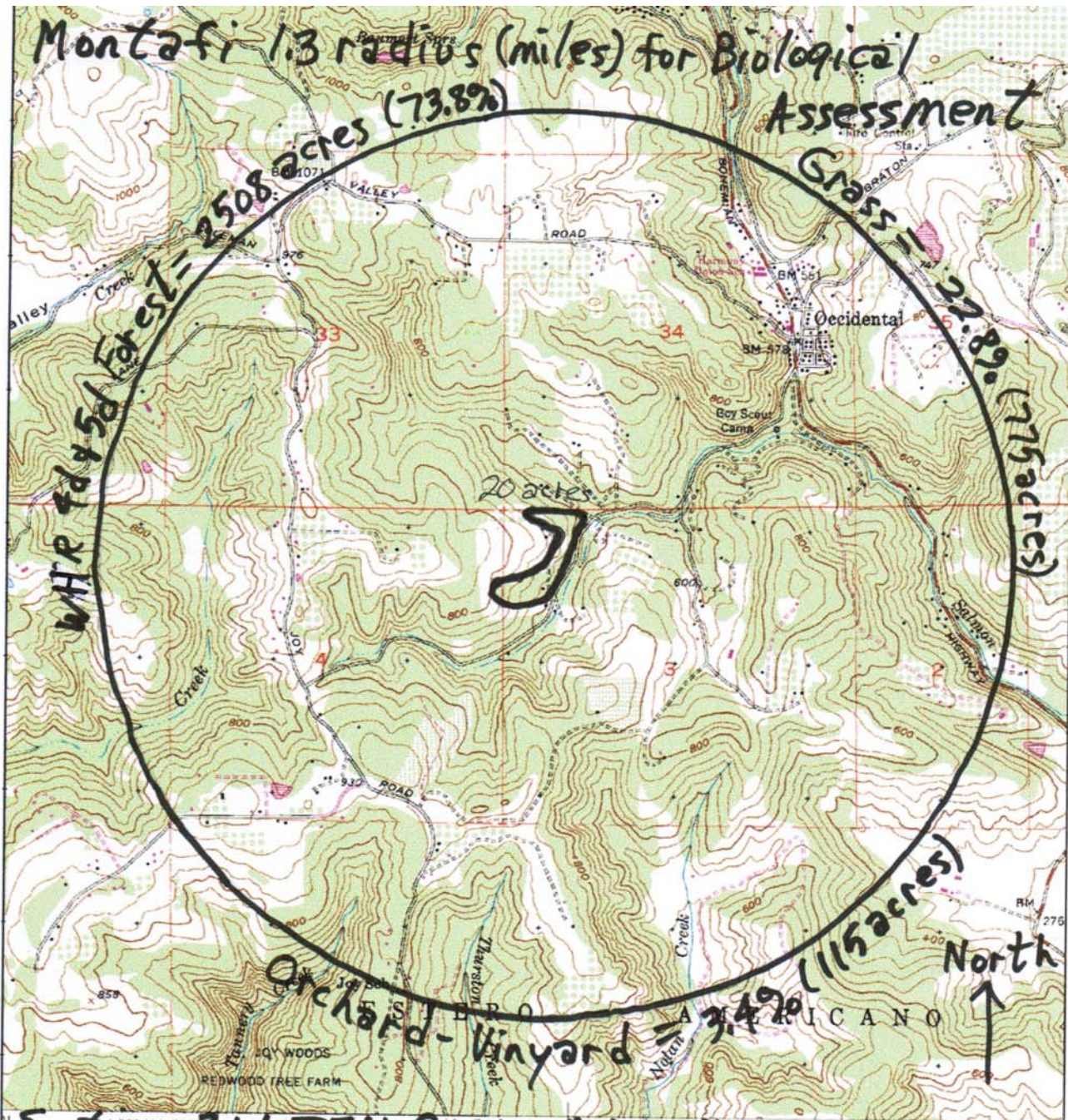
SW 1/4, SW 1/4,
Section 3
T6N, R10W
Sonoma Co.

THP 1-99-472 50 N

J.M.B. 5/29/97

PR - 8 1986

SONOMA COUNTY
RESOURCE MANAGEMENT



Sections 34, T7N, R10W, MDB4M
 Camp Meeker Quad., Sonoma Co.

SCALE 1:24000

1000 0 1000 2000 3000 4000

Name: CAMP MEEKER
 Date: 8/4/99
 Scale: 1 inch equals 2000 feet

Location: 038° 23' 43.6" N 122° 57' 36.5" W
 Caption: 1.3 MILE VEGETATIVE HABITAT MAP SURROUNDING MONTIFI THPC

SPOTTED OWL FIELD SURVEY

HABITAT TYPE: REDWOOD, TANOAK, LAUREL, WHR 5d LANDOWNER MONTAFI

THP# NONE YET DFG TERRITORY NO. NONE KNOWN

GENERAL LOCATION ONE MILE SOUTH WEST OF OCCIDENTAL

COUNTY SONOMA T- 6 N R- 10 W SECS. 3

DATE @ START 5/18/1998 CALL # 1 OBSERVERS JIM BERRY

START TIME (2400 clock): 2155 END TIME: 2230 TOTAL TIME: 35

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2155 | CONTINUOUS CALL ON ROAD | C | | NO RESPONSE TO GHETTO BLASTER OR VOICE CALL. ABOVE BITTNER RD. |
| 20 ACRE | MODIFIED THP ON SALMON | CREEK | | |

DATE @ START 6/1/1998 CALL # 2 OBSERVERS JIM BERRY

START TIME (2400 clock): 2240 END TIME: 2300 TOTAL TIME: 20

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2240 | CONTINUOUS CALL ON OLD ROADS | C | | NO RESPONSE |

DATE @ START 7/6/1998 CALL # 3 OBSERVERS JIM BERRY

START TIME (2400 clock): 2050 END TIME: 2125 TOTAL TIME: 35

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | COMMENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|---|--|---|
| 2050 | CONTINUOUS CALL ON ROAD | C | | NO NSO RESPONSE . |

SPOTTED OWL FIELD SURVEY

HABITAT TYPE: REDWOOD, TANOAK, LAUREL, WHR 5d

LANDOWNER MONTAFI

THP# NONE YET

DFG TERRITORY NO. NONE KNOWN

GENERAL LOCATION ONE MILE SOUTH WEST OF OCCIDENTAL

COUNTY SONOMA T. 6 N R. 10 W SECS. 3

DATE @ START 2/23/2000 CALL # 4 OBSERVERS JIM BERRY

START TIME (2400 clock): 2110 END TIME: 2135 TOTAL TIME: 25

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2110 | CONTINUOUS CALL ON ROAD | C | | NO RESPONSE |
| 20 ACRE | MODIFIED THP ON SALMON | CREEK | | |

DATE @ START 3/6/2000 CALL # 5 OBSERVERS JIM BERRY

START TIME (2400 clock): 1940 END TIME: 2002 TOTAL TIME: 22

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 1940 | CONTINUOUS CALL ON OLD ROADS | C | | NO RESPONSE. NOISE FROM 3 DOGS, ROAD AND CREEK |

DATE @ START 3/14/2000 CALL # 6 OBSERVERS JIM BERRY

START TIME (2400 clock): 2040 END TIME: 2059 TOTAL TIME: 19

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | COMMENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|---|--|---|
| 2040 | CONTINUOUS CALL ON ROAD | C | | NO NSO RESPONSE. 2 DOGS, BITTNER RD AND TREE FROGS |

CALIFORNIA DEPARTMENT OF FISH AND GAME
SPOTTED OWL FIELD SURVEY

Quad Name Camp Meeker 7.5 Min X

HABITAT TYPE: REDWOOD, TANOAK, LAUREL, WHR 5d

LANDOWNER MONTAFI

THP# NONE YET

DFG TERRITORY NO. NONE KNOWN

GENERAL LOCATION ONE MILE SOUTH WEST OF OCCIDENTAL

COUNTY SONOMA T- 6 N R- 10 W SECS. 3

DATE @ START 5 / 2 / 2000 CALL # 7 OBSERVERS JIM BERRY

START TIME (2400 clock): 2249 END TIME: 2302 TOTAL TIME: 13

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 50° F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2249 | CONTINUOUS CALL ON ROAD | C | | NO RESPONSE |
| 20 ACRE | MODIFIED THP ON SALMON | CREEK | | |

DATE @ START 5 / 9 / 2000 CALL # 8 OBSERVERS JIM BERRY

START TIME (2400 clock): 2208 END TIME: 2230 TOTAL TIME: 22

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2208 | CONTINUOUS CALL ON OLD ROADS | C | | NO RESPONSE . |

DATE @ START 5 / 17 / 2000 CALL # 9 OBSERVERS JIM BERRY

START TIME (2400 clock): 2210 END TIME: 2227 TOTAL TIME: 17

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze FULL MOON

| TIME 2400 clock | LOCATION (mileage, legal location of rd/trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | COMMENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|---|--|---|
| 2210 | CONTINUOUS CALL ON ROAD | C | | NO NSO RESPONSE . |

PLAN NAME Montaji Estate

NSO ASSIGN # _____ ORIG # _____
THP # _____

Project Evaluation

B1 NSO's detected within 1.3 miles of operations area? no yes Date last detected _____
NSO's present now? Unknown yes: onsite 500' 1000' 0.7mi 1.3mi
Will NSO habitat retention standards be met post-harvest? no yes Describe post-harvest habitat characteristics to support NSO's: Selection harvesting by Berry leaves high canopy closure of ±60% no change in habitat type is expected

Estimated Habitat Retention Acres (pre/post harvest):

| | 500' | 1000' | 0.7mi | 1.3mi |
|-------------|------------------|------------------|------------------|------------------|
| Nest | _____ | _____ | _____ | _____ |
| Roost | _____ | _____ | _____ | _____ |
| Forage | _____ | _____ | _____ | _____ |
| Non-Habitat | _____ | _____ | _____ | _____ |

B2 Is this consultation for more than one (1) THP? no yes
List all known NSO consultations within 1.3 mi of this survey area
See THP for any adjacent NSO consultations

B3 Will the proposed plan significantly disrupt, impair or modify (if YES or UNK, explain in B4):

| | NO | N/A | UNK | YES |
|--|-------------------------------------|-----|-----|-----|
| a. Local Movement (onsite or within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | — | — | — |
| b. Dispersal Opportunity (within 1 mi of NSO) | <input checked="" type="checkbox"/> | — | — | — |
| c. Prey Base (within 0.5 mi of NSO) | <input checked="" type="checkbox"/> | — | — | — |
| d. Foraging Habitat | <input checked="" type="checkbox"/> | — | — | — |
| e. Roosting Structure | <input checked="" type="checkbox"/> | — | — | — |
| f. Roosting Behavior | <input checked="" type="checkbox"/> | — | — | — |
| g. Nesting Structure | <input checked="" type="checkbox"/> | — | — | — |
| h. Nesting Behavior | <input checked="" type="checkbox"/> | — | — | — |
| i. Other (predation, exposure, etc.) | <input checked="" type="checkbox"/> | — | — | — |

B4 Comments (evaluate adequacy of information provided, compliance with accepted guidelines, and features specific to this survey area) Area is along County road in partially rural/undeveloped area. NSO roosting/nesting sites are hypothetical. Roosts have been observed above that could have held an owl in the canyon bottoms.

(Name of preparer for Parts A & B, if different from designated biologist: _____)

PLAN NAME Monteale Estero

NSO ASSIGN # _____ ORIG # _____
THP # _____

Consultation Determination

(ENTRIES ON THIS PAGE CAN BE COMPLETED ONLY BY DESIGNATED BIOLOGIST) (~~CROSS OUT INAPPROPRIATE~~
~~LANGUAGE AND INITIAL ABOVE EACH CROSS OUT~~):

Pursuant to the Protocol for Surveying Proposed Management Activities that may impact Northern Spotted Owls, endorsed and revised by the U.S. Fish and Wildlife Service (USFWS) on March 17, 1992, subsequent revisions to the protocol issued by the USFWS, and other scientific information available to me, I ~~have/has not~~ verified in the field the information submitted and have concluded that:

- C1 The information provided ~~is/is not~~ ^{is} sufficient to complete my evaluation.
- C2 The surveys provided to me ~~do/do not~~ ^{do} conform to the Protocol issued and revised by USFWS ~~but do conform to the Rules~~
- C3 The information provided to me and the field review of the plan and surrounding area lead me to conclude that:
 - C3-1. The plan area ~~is/is not~~ ^{is} suitable northern spotted owl habitat;
 - C3-2. The project area and surrounding habitat ~~has/has not~~ ^{has} been adequately evaluated for the presence of northern spotted owls;
 - C3-3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ~~is/is not~~ ^{is} likely; and
 - C3-4. The potential for this plan to result in the "unauthorized incidental take" of a northern spotted owl ~~is/is not~~ ^{is} likely.

A determination that the potential for unauthorized incidental take has been minimized (C3, above) remains valid until the start of the breeding season in the year 1999. For operations to be conducted after the start of the breeding season in that year, surveys must be completed during the breeding season prior to the start of operations and submitted for re-evaluation.

This consultation checklist applies to a plan or proposal that (initial applicable findings):

- C4() — Does not need to be revised to minimize unauthorized incidental take.
- C5() — Has been revised to minimize unauthorized incidental take, as described in the attached comments.
- C6() — Requires revisions in order to minimize unauthorized incidental take, as described in the attached comments.
- C7() — For which the consultation checklist cannot be completed until additional information is submitted (Sections 919.10(C), 939.10(C)). The necessary information is described in the attached comments.

This consultation checklist ~~does/does not~~ ^{does} include additional pages as indicated below:

- C8() — Comments describing necessary revisions or information, DFG 726-FORM 3A.5 (number of pages _____).
- C9() — Confidential site information, DFG 726-FORM 3B.5 (number of pages _____). (may include Spotted Owl Observation Report Form)

Signature Theodore W. Wooster
Designated Biologist
Print Name Theodore W. Wooster

Form Distribution:

- Original () Designated Biologist
- Copies () RPF
- () CDF (Referral Office)
- () DFG (NSO Consultation Coordinator)

Date Completed 8/24/98

Date: August20, 2000
Ref: Montafi THP (# pending)
1-14-2000-TA-269

Ken Hoffman
US Fish & Wildlife Service
1655 Heindon Rd.
Arcata, CA 95521

Dear Mr. Hoffman:

The Montafi THP is a 20 acre modified THP (single tree selection) on Upper Salmon Creek in Sonoma County.

There have been no NSO responses during 9 continuous calls and 6 in the year 2000. A Great Horned Owl responded to the NSO call in 1998. There is a 30 acre field just north of the THP and busy Bittner Rd. flanks the south THP edge. Water for NSO can only be obtained by crossing Bittner Rd. This does not appear to be good stand structure for NSO due to the small openings between thick clumps which could allow predation by the Great Horned Owl. There are seven Dusky-footed Packrat nests in 4 sheds and 3 old truck bodies.

We would like to request technical assistance regarding Take / No-Take for *Strix occidentalis caurina* for the 2001 harvest season. We have included all 9 NSO survey forms to add to the year 2000 consultation data provided. There have been no owls of any species heard or sighted here since 1998.

Correspondence may be sent to Jim Berry P.O. Box 94 Cazadero, CA 95421.
Calls should be directed to (707) 632-5280.

Sincerely,

James M. Berry

NORTHERN SPOTTED OWL FIELD SURVEY LAPHAM 1997 Calls 1,2,3

LANDOWNER **LAPHAM THP 1-99-472 SON** DFG TERRITORY NO. UN KNOWN CALL #1 OBSERVERS Jim Berry/Harry Lapham

GENERAL LOCATION **1.5 miles SW of Occidental- Salmon Creek** Quad Name: Camp Meeker (7.5 Min. & NAD 27) **S3, T10N, R10W**

START DATE: 29 May 1997 START TIME (2400 clock): 2123 END TIME: 2230 TOTAL TIME: 67

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------------|---|--|---|--|
| 2123 2143 2202 2220 | STATION A SEE MAP STATION B SEE MAP STATION C SEE MAP STATION D SEE MAP | P P P P | N/A | NO NSO RESPONSE- DOGS 71 degrees F NO NSO RESPONSE dogs barking everywhere NO NSO RESPONSE 74 degrees & crickets NO NSO RESPONSE |

DATE @ START 7/30/97 CALL # 2 OBSERVERS Jim Berry, Harry Lapham, Simone Wilson

START TIME (2400 clock): 2045 END TIME: 2150 TOTAL TIME: 65

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2045 begin 2150 | continuous call through stations A,B,C,D | | N/A | NO NSO RESPONSE- one dog and Bohemian Hwy. |

DATE @ START 8/7/97 CALL # 3 OBSERVERS Jim Berry and Bonny

START TIME (2400 clock): 2140 END TIME: 2235 TOTAL TIME: 55

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------------|---|--|---|---|
| 2140 2155 2217 2225 | STATION A STATION B STATION C STATION D | P P P P | N/A | NO NSO RESPONSE dog, crickets, twin airplane NO NSO RESPONSE crickets singing, fast dog toNW NO NSO RESPONSE NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY LAPHAM 1998 Calls 4,5,6

LANDOWNER **LAPHAM** **THP#1-99-472 SON** DFG TERRITORY NO. NONE KNOWN CALL # 4 OBSERVERS Jim Berry

GENERAL LOCATION 1.5 miles SW of Occidental -Salmon Creek Quad Name:
 COUNTY SONOMA Camp Meeker (7.5 Min &NAD 27) T- 6N R- 10W SECS. 3

DATE @ START 18 May 1998 START TIME (2400 clock): 2035 END TIME: 2155 TOTAL TIME: 80

HABITAT: **Redwood mesic- D. F., Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no 55 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------|---|--|---|--|
| 2135 begin 2155 end | STATION A, B, C, D SEE MAP | continuous | N/A | NO NSO RESPONSE- 55 degrees |

DATE @ START 1 June 1998 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 2140 END TIME: 2235 TOTAL TIME: 45

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2145 to 2030 | continuous czll by voice on all roads through stations A,B,C,D | | N/A | NO NSO RESPONSE neighbor dog |

DATE @ START 2 July 1998 CALL # 3 OBSERVERS Jim Berry

START TIME (2400 clock): 2140 END TIME: 2235 TOTAL TIME: 55

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2120 to 2115 | continuous call with Magnovox on all roads through stations A,B,C,D | | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY LAPHAM 1999 Calls 7,8,9

LANDOWNER **LAPHAM** THP#1-99-472 SON DFG TERRITORY NO. NONE KNOWN CALL # 7 OBSERVERS Jim Berry

GENERAL LOCATION **1.5 miles SW of Occidental- Salmon Creek** COUNTY SONOMA Quad Name: Camp Meeker (7.5 Min & NAD 27)
 T- 6N R- 10W SECS. 3

DATE @ START 13 June 1999 START TIME (2400 clock): 2200 END TIME: 2240 TOTAL TIME: 40

HABITAT: Redwood mesic- D. F., Tanoak, California Laurel, Madrone, Huckleberry, WHR 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 55 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------|---|---|--|---|
| 2400 clock | | | | |
| 2200 begin 2240 end | STATION A, B, C, D SEE MAP | continuous | N/A | NO NSO RESPONSE- |

DATE @ START 19 June 1999 CALL # 8 OBSERVERS Jim Berry

START TIME (2400 clock): 2120 END TIME: 2210 TOTAL TIME: 50

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze 56 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------|---|---|--|---|
| 2400 clock | | | | |
| 2120 begin 2210 end | continuous call by voice on all roads through stations A,B,C,D | continuous | N/A | NO NSO RESPONSE |

DATE @ START 24 June 1999 CALL # 9 OBSERVERS Jim Berry

START TIME (2400 clock): 2110 END TIME: 2205 TOTAL TIME: 55

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------|---|---|--|---|
| 2400 clock | | | | |
| 2110 begin 2205 end | continuous call with Magnovox on all roads through stations A,B,C,D | continuous | N/A | NO NSO RESPONSE 3 dogs barking |

End of Lapham THP#1-99-472 SON and Beginning of unnumbered THP Montafi 2000

NORTHERN SPOTTED OWL FIELD SURVEY LAPHAM 1999 Calls 7,8,9

NORTHERN SPOTTED OWL FIELD SURVEY-MONTAFI 1998-CALLS 1,2,3

LANDOWNER **MONTAFI** **THP PENDING** DFG TERRITORY NO. NONE KNOWN CALL # 1 OBSERVERS Jim Berry

GENERAL LOCATION 1.5 miles SW of Occidental- Salmon Creek COUNTY SONOMA Quad Name: Camp Meeker (7.5 Min.&NAD 27)
T- 6N R- 10W SECS. 3

DATE @ START 18 May 1998 START TIME (2400 clock): 2115 END TIME: 2230 TOTAL TIME: 75

HABITAT: Redwood mesic- D. F., Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 55 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|----------------------------|--|--|---|--|
| 2115 begin 2230 end | N/A | continuous | N/A | NO NSO RESPONSE- |

DATE @ START 1 June 1998 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 2240 END TIME: 2300 TOTAL TIME: 40

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze 56 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|----------------------------|---|--|---|---|
| 2240 begin 2300 end | On road | continuous | N/A | NO NSO RESPONSE |

DATE @ START 6 July 1998 CALL # 3 OBSERVERS Jim Berry

START TIME (2400 clock): 2110 END TIME: 2205 TOTAL TIME: 55

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|----------------------------|---|--|--|--|
| 2050 begin 2125 end | On road above Bittner road | continuous | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY-MONTAFI 1999-CALLS 4,5,6

LANDOWNER **MONTAFI THP PENDING** DFG TERRITORY NO. NONE KNOWN CALL # 4 OBSERVERS Jim Berry

GENERAL LOCATION **1.5 miles SW of Occidental- Salmon Creek** COUNTY SONOMA Quad Name: Camp Meeker (7.5 Min & NAD 27)
T- 6N R- 10W SECS. 3

DATE @ START 23 February 1999 START TIME (2400 clock): 2110 END TIME: 2135 TOTAL TIME: 25

HABITAT: Redwood mesic- D. F., Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 55 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|----------------------------|---|---|--|---|
| 2400 clock | | | | |
| 2110 begin 2135 end | On road above Bittner Road | continuous | N/A | NO NSO RESPONSE- |

DATE @ START 6 March 1999 CALL # 5 OBSERVERS Jim Berry

START TIME (2400 clock): 1940 END TIME: 2002 TOTAL TIME: 22

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze 56 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|----------------------------|---|---|--|---|
| 2400 clock | | | | |
| 1940 begin 2002 end | On road above Bittner Road | continuous | N/A | NO NSO RESPONSE-Bittner noise, dogs barking, Salmon Creek |

DATE @ START 14 March 1999 CALL # 6 OBSERVERS Jim Berry

START TIME (2400 clock): 2040 END TIME: 2159 TOTAL TIME: 19

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|----------------------------|---|---|--|---|
| 2400 clock | | | | |
| 2040 begin 2159 end | On road above Bittner Road | continuous | N/A | NO NSO RESPONSE 2 dogs, Bittner road and tree frogs |

NORTHERN SPOTTED OWL FIELD SURVEY-MONTAFI 2000-CALLS 7,8,9

LANDOWNER **MONTAFI** **THP PENDING** DFG TERRITORY NO. NONE KNOWN CALL # 7 OBSERVERS Jim Berry

GENERAL LOCATION 1.5 miles SW of Occidental- Salmon Creek COUNTY SONOMA Quad Name: Camp Meeker (7.5 Min.&NAD 27)
T- 6N R- 10W SECS. 3

DATE @ START 2 May 2000 START TIME (2400 clock): 2110 END TIME: 2135 TOTAL TIME: 25

HABITAT: Redwood mesic- D. F., Tanoak, California Laurel, Huckleberry, WHR 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 55 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|----------------------------|--|--|---|--|
| 2249 begin 2302 end | On road above Bittner Road | continuous | N/A | NO NSO RESPONSE- |

DATE @ START 9 May 2000 CALL # 8 OBSERVERS Jim Berry

START TIME (2400 clock): 2208 END TIME: 2230 TOTAL TIME: 22

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze 56 degrees F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|----------------------------|---|--|---|---|
| 2208 begin 2230 end | On road above Bittner Road | continuous | N/A | NO NSO RESPONSE- |

DATE @ START 17 May 2000 CALL # 9 OBSERVERS Jim Berry

START TIME (2400 clock): 2210 END TIME: 2227 TOTAL TIME: 17

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|----------------------------|---|--|--|--|
| 2040 begin 2159 end | On road above Bittner Road | continuous | N/A | NO NSO RESPONSE 2 dogs, Bittner road and tree frogs |

Date: March 20, 2000
Ref: Montafi THP (# pending)

Ken Hoffman
US Fish & Wildlife Service
1655 Heindon Rd.
Arcata, CA 95521

Dear Mr. Hoffman:

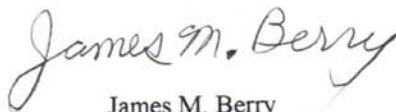
The Montafi THP is a 20 acre modified THP (single tree selection) on Upper Salmon Creek in Sonoma County.

There have been no NSO responses during 6 continuous calls. A Great Horned Owl responded to the NSO call in 1998. There is a 30 acre field just north of the THP and busy Bittner Rd. flanks the south THP edge. Water for NSO can only be obtained by crossing Bittner Rd. This does not appear to be good stand structure for NSO but there are seven Dusky-footed Packrat nests in 4 sheds and 3 old truck bodies.

We would like to request technical assistance regarding Take / No-Take for *Strix occidentalis caurina* for the 2000 harvest season. We have included Northern Spotted Owl Data Base results, the earlier Calif. DF&G Consultation Checklist, the 1.3 mile Vegetative Habitat Map and 6 Spotted Owl Field Survey Forms.

Correspondence may be sent to Jim Berry P.O. Box 94 Cazadero, CA 95421.
Calls should be directed to (707) 632-5280.

Sincerely,

A handwritten signature in cursive script that reads "James M. Berry". The signature is written in dark ink and is positioned above the printed name.

James M. Berry



IN REPLY REFER TO:

United States Department of the Interior

FISH AND WILDLIFE SERVICE

Arcata Fish and Wildlife Office

1655 Heindon Road

Arcata, California 95521

707-822-7201

FAX: (707) 822-8411

March 29, 2000

In Reply Refer To:

1-14-2000-TA-269

Mr. Jim Berry
PO Box 94
Cazadero, CA 95421

Subject: Response to Request for Technical Assistance Regarding the Proposed Montafi Timber Harvest Plan (NSO Consultation #2033)


Dear Mr. Berry:

This responds to your request for U.S. Fish and Wildlife Service (Service) technical assistance, received in our office on March 23, 2000, on the above proposed timber harvest plan (THP). At issue in the request is the potential for incidental take of the Federally listed northern spotted owl (*Strix occidentalis caurina*) as a result of approval of the above THP by the California Department of Forestry and Fire Protection. After review of the information pertaining to this request, the Service provides the following technical assistance.

This is a 20 acre proposed THP (selection) located in Section 3, Township 6 North, Range 10 West, M.D.B.M. in Sonoma County. The Service has determined that provided no operations are conducted on this THP until additional technical assistance is provided by the Service, approval of the above THP would not be likely to incidentally take northern spotted owls.

All maps and data used to provide this technical assistance are on file at this office. If you have questions regarding this response, please contact Mr. Ken Hoffman at the Arcata Fish and Wildlife Office at (707) 822-7201.

Sincerely,


for
Phil Detrich
HCP Team Project Leader

cc:

CDF: B. Valentine, 135 Ridgeway Avenue, Santa Rosa, CA 95401

End of Montafi THP and Beginning of Redwood Trust THP#1-99-154 SON

NORTHERN SPOTTED OWL FIELD SURVEY Redwood Trust 1997 Calls 1,2,3

LANDOWNER: Redwood Trust (Day) THP #1-99-154 SON TERRITORY NO. NSO 0060 Call #1 OBSERVERS Jim Berry and Kaity Berry

GENERAL LOCATION: COUNTY Sonoma Quad Name _Duncan's Mills (7.5 Min & NAD 27) T7N, R11W, Section 11,

Physiographic Province: Redwood Coast

DATE @ START 10 June 1997 START TIME (2400 clock): 2200 END TIME: 2300 TOTAL TIME: 60

HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)-

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no-----

| TIME | LOCATION | CALLING | SPECIES / SEX / | CONTENTS |
|---------------|---|---|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |
| 2200 to 2300 | Continuous call on main haul road up and back | | | NO NSO Response |

DATE @ START 16 June 1997 OBSERVERS Jim Berry CALL #2

START TIME (2400 clock): 2200 END TIME: 2230 TOTAL TIME: 30

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|-----------------|--|--|-----|-----------------|
| 2200 To 2230 | Continuous call on main haul road Up and back | | N/A | NO NSO Response |
|-----------------|--|--|-----|-----------------|

DATE @ START 21 August 1997 OBSERVERS: Jim Berry CALL #3

START TIME (2400 clock): 2100 END TIME: 2232 TOTAL TIME: 32

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

Temp= 65-70 degrees F

| | | | | |
|-----------------|-----------------------------------|--|--|-----------------|
| 2100 To 2132 | Continuous call on main haul road | | | NO NSO Response |
|-----------------|-----------------------------------|--|--|-----------------|

NORTHERN SPOTTED OWL FIELD SURVEY Redwood Trust 1998 Calls 4,5,6

LANDOWNER: Redwood Trust (Day) THP #1-99-154 SON TERRITORY NO. NSO 0060 Call #4 OBSERVERS Jim Berry and Kaity Berry

GENERAL LOCATION: COUNTY Sonoma Quad Name _Duncan's Mills 7.5 Min Section 11, T7N, R11W

Physiographic Province: Redwood Coast HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)-

DATE @ START 7 April 1998 START TIME (2400 clock): 2015 END TIME: 2045 TOTAL TIME: 30

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no-----

| TIME | LOCATION | CALLING | SPECIES / SEX / | CONTENTS |
|---------------|---|---|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |
| 2015 to 2045 | Continuous call on main haul road | | N/A | NO NSO Response 44 degrees F |

DATE @ START 20 June 1998 OBSERVERS Jim Berry CALL #5

START TIME (2400 clock): 2110 END TIME: 2240 TOTAL TIME: 30

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|-----------------|-----------------------------------|--|-----|------------------------------|
| 2110 To 2240 | Continuous call on main haul road | | N/A | NO NSO Response 51 degrees F |
|-----------------|-----------------------------------|--|-----|------------------------------|

DATE @ START 19 June 1998 OBSERVERS: Jim Berry CALL #6

START TIME (2400 clock): 2105 END TIME: 2155 TOTAL TIME: 50

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|-----------------|-----------------------------------|--|--|------------------------------|
| 2105 To 2155 | Continuous call on main haul road | | | NO NSO Response 50 degrees F |
|-----------------|-----------------------------------|--|--|------------------------------|

NORTHERN SPOTTED OWL FIELD SURVEY Redwood Trust 1999 Calls 7,8,9

LANDOWNER: Redwood Trust (Day) THP #1-99-154 SON TERRITORY NO. NSO 0060 Call #7 OBSERVERS Jim Berry and Kaity Berry

GENERAL LOCATION: COUNTY Sonoma Quad Name _Duncan's Mills 7.5 Min Section 11, T7N, R11W

Physiographic Province: Redwood Coast HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)-

DATE @ START 26 May 1999 START TIME (2400 clock): 2050 END TIME: 2135 TOTAL TIME: 45

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no-----

| TIME | LOCATION | CALLING | SPECIES / SEX / | CONTENTS |
|--------------------|---|---|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |
| 2050 To 2135 | Continuous call on main haul road | | N/A | NO NSO Response 44 degrees F |

DATE @ START 3 June 1999 OBSERVERS Jim Berry CALL #8

START TIME (2400 clock): 2038 END TIME: 2135 TOTAL TIME: 57

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|--------------------|-----------------------------------|--|-----|---|
| 2038 To 2135 | Continuous call on main haul road | | N/A | NSO MALE at 2120 to 2135 near landing #2 near Sheridan Gulch lead me west then south until he went silent after 10 min. calls |
|--------------------|-----------------------------------|--|-----|---|

DATE @ START 23 July 1999 OBSERVERS: Jim Berry CALL #9

START TIME (2400 clock): 0900 END TIME: 1230 TOTAL TIME: 210

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|--------------------|---|--|--|---|
| 0900 To 1230 | Continuous call on main haul road During day | | | NO NSO Response-vigorous Osprey calls from two activity centers. Heard Chicaree and saw evidence of porcupine stripping |
|--------------------|---|--|--|---|

NORTHERN SPOTTED OWL FIELD SURVEY Redwood Trust 1999 Calls 7,8,9

LANDOWNER: Redwood Trust (Day) THP #1-99-154 SON TERRITORY NO. SO 0060 Call #7 OBSERVERS Jim Berry

GENERAL LOCATION: COUNTY Sonoma Quad Name _Duncan's Mills (7.5 Min & NAD 27) Section 11, T7N, R11W

DATE @ START 26 May 1999 START TIME (2400 clock): 2050 END TIME: 2135 TOTAL TIME: 45

HABITAT: Physiographic Province: Redwood Coast Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)–

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no-----

| TIME | LOCATION | CALLING | SPECIES / SEX / | CONTENTS |
|--------------------|---|---|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |
| 2050 To 2135 | | | | NO NSO RESPONSE ALL QUIET |

DATE @ START 3 June 1999 OBSERVERS Jim Berry CALL #8

START TIME (2400 clock): 2038 END TIME: 2135 TOTAL TIME: 57

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|-----------------|-----------------------------------|--|-----|---|
| 2038 To 2135 | Continuous call on main haul road | | N/A | MALE NSO Response AT 2120 near Sheridan Gulch and we dueled until 2135 and then he lead me 800 feet west then south and then went quiet after 10 minutes additional calling |
|-----------------|-----------------------------------|--|-----|---|

DATE @ START 23 July 1999 OBSERVERS: Jim Berry CALL #9

START TIME (2400 clock): 0900 END TIME: 1230 TOTAL TIME: 210

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|--------------------|--|--|-----|--|
| 0900 To 1230 | Continuous call up and down haul road. | | N/A | NO NSO Response Vigorous Osprey calls and Douglas Chicaree and porcupine stripping near osprey |
|--------------------|--|--|-----|--|

NORTHERN SPOTTED OWL FIELD SURVEY Redwood Trust 2000 Calls 10,11,12

LANDOWNER: Redwood Trust (Day) THP #1-99-154 SON TERRITORY NO. NSO 0060 Call #10 OBSERVERS Jim Berry

GENERAL LOCATION: COUNTY Sonoma Quad Name _Duncan's Mills 7.5 Min Section 11, T7N, R11W

DATE @ START 27 Feb 2000 START TIME (2400 clock): 1902 END TIME: 1934 TOTAL TIME: 32

Physiographic Province: Redwood Coast HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)-

WEATHER (bold): clear **cloudy** mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no-----

| TIME | LOCATION | CALLING | SPECIES / SEX / | CONTENTS |
|--------------------|---|---|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |
| 1902 To 1934 | Continuous call up and down haul road. | P | N/A | NO NSO Response |

DATE @ START 18 March 2000 OBSERVERS Jim Berry, Joyce Berry, Kaity Berry CALL #11 58 degrees F.

START TIME (2400 clock): 1930 END TIME: 2 012 TOTAL TIME: 42

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|-----------------|-----------------------------------|--|-----|-----------------|
| 1930 To 2012 | Continuous call on main haul road | | N/A | No NSO Response |
|-----------------|-----------------------------------|--|-----|-----------------|

DATE @ START 9 June 2000 OBSERVERS: Jim Berry and Bonny CALL 12

START TIME (2400 clock): 2200 END TIME: 2232 TOTAL TIME: 32

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|--------------------|-----------------------------------|--|--|---|
| 2200 TO 2232 | Continuous call on main haul road | | | NO NSO RESPONSE SHERIDAN BROOK AND HWY. 116 |
|--------------------|-----------------------------------|--|--|---|

NORTHERN SPOTTED OWL FIELD SURVEY Redwood Trust 2000 Calls #13

LANDOWNER: Redwood Trust (Day) THP #1-99-154 SON TERRITORY NO. NSO 0060 Call #13 OBSERVERS Jim Berry

GENERAL LOCATION: COUNTY Sonoma Quad Name _Duncan's Mills (7.5 Min & NAD 27) Section 11, T7N, R11W

DATE @ START 9 August 2000 START TIME (2400 clock): 2234 END TIME: 2258 TOTAL TIME: 24

Physiographic Province: Redwood Coast HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)-

WEATHER (In yellow): clear **cloudy** mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no-----

| TIME | LOCATION | CALLING | SPECIES / SEX / | CONTENTS |
|--------------------|--|---|-----------------------------|--|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |
| 2243 To 2258 | Continuous call up and down haul road. | | V | MALE VOICE RESPONSE AT 2244 TO 2258 |

NORTHERN SPOTTED OWL FIELD SURVEY- LAPHAM CALLS 10,11, 12

LANDOWNER **LAPHAM** THP# 1-99-472 SON DFG TERRITORY NO. NONE KNOWN CALL # **10** OBSERVERS Jim Berry

GENERAL LOCATION **1.5 miles SW of Occidental** COUNTY: **SONOMA** Quad Name: **Camp Meeker** 7.5 Min. &NAD 27)

DATE @ START **19 February 2000** START TIME (2400 clock): **1855** END TIME: **1957** TOTAL TIME: **53**

HABITAT: Redwood mesic- Douglas Fir, Tanoak, California Laurel, Huckleberry WHR 5d

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------------|--|--|---|--|
| 1855 1910 1925 1947 | STATION A SEE MAP STATION B SEE MAP STATION C SEE MAP STATION D SEE MAP | P P P P | N/A | NO NSO RESPONSE- breeze in tree tops NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE |

DATE @ START **6 March 2000** CALL # **11** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2018** END TIME: **2112** TOTAL TIME: **52**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------------|--|---|--|--|
| 2018 2034 2048 2102 | STATION E SEE MAP STATION C SEE MAP STATION D SEE MAP STATION B SEE MAP | P P P P | N/A | NO NSO RESPONSE-yapping dog (west) NO NSO RESPONSE same dog NO NSO RESPONSE same dog NO NSO RESPONSE |

DATE @ START **14 March 2000** CALL # **12** OBSERVERS **Jim Berry and Bonny**

START TIME (2400 clock): **1936** END TIME: **2028** TOTAL TIME: **52**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------------|---|--|---|---|
| 1936 1950 2004 2018 | STATION E STATION C STATION D STATION B | P P P P | N/A | NO NSO RESPONSE 2 yearling deer and dog W. NO NSO RESPONSE dog to north and jack rabbit NO NSO RESPONSE tree frogs croaking NO NSO RESPONSE |



Ferry Timber Harvest Plan Map

North ↑

Northern Spotted Owl Station Map

Scale: 1" = 500'

Section 2, 11, T8N, R13W
Plantation Quad.

159 acres

Sonoma County

SPOTTED OWL FIELD SURVEY FORRY 1997-Calls #1,2,3

LANDOWNER Forry THP# 1-99-078 SON DFG TERRITORY NO. SO O35? (nearest) OBSERVERS JIM BERRY,

JOYCE BERRY, KAITY BERRY GENERAL LOCATION N / W OF INTERSECTION OF SEAVIEW & TIMBER COVE Roads

COUNTY SONOMA Quad Name X 7.5 Min Plantation T- 8 N R- 13 W SECS. 2 & 11

HAB. TYPE REDWOOD MESIC, WHR 4D - 5D

DATE @ START 4/26/97 CALL # 1 START TIME (2400 clock): 1900 END TIME: 2040 TOTAL TIME: 113

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 1900 | STATION A | P | N/A | NO NSO RESPONSE Steller's Jay upset |
| 1920 | STATION B | P | | NO NSO RESPONSE voice & cassette call |
| 1940 | STATION C | P | | NO NSO RESPONSE Pileated |
| 1955 | STATION D | P | | Woodpecker-Towhee |
| 2015 | STATION E | P | | NO NSO RESPONSE - song birds in tree tops |
| 2030 | STATION F | P | | NO NSO RESPONSE- Joyce's call upset |
| 2043 | STATION G | P | | downy NO NSO RESPONSE- breezy NO NSO RESPONSE |

DATE @ START July 13, 1997 CALL # 2 OBSERVERS JIM, JOYCE, KAITY BERRY

START TIME (2400 clock): 2029 END TIME: 2214 TOTAL TIME: 105

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-----------|---|-----|-----------------|
| 2029 | STATION E | P | N/A | NO NSO RESPONSE |
| 2045 | STATION F | P | | NO NSO RESPONSE |
| 2100 | STATION G | P | | NO NSO RESPONSE |
| 2119 | STATION A | P | | NO NSO RESPONSE |
| 2135 | STATION B | P | | NO NSO RESPONSE |
| 2149 | STATION C | P | | NO NSO RESPONSE |
| 2204 | STATION D | P | | NO NSO RESPONSE |

DATE @ START July 24, 1997 CALL # 3 OBSERVERS JIM and JOYCE BERRY

START TIME (2400 clock): 2053 END TIME: 2218 TOTAL TIME: 85

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | COMMENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2053 | STATION E | P | N/A | NO NSO RESPONSE |
| 2124 | STATION F | P | | NO NSO RESPONSE |
| 2139 | STATION G | P | | NO NSO RESPONSE |
| 2203 | STATION A | P | | NO NSO RESPONSE tree frog |
| 2217 | STATION B | P | | NO NSO RESPONSE |
| 2236 | STATION C | P | | NO NSO RESPONSE |
| 2208 | STATION D | P | | NO NSO RESPONSE |

SPOTTED OWL FIELD SURVEY FORRY 1998-Calls #4,5,6

Quad Name X 7.5 Min Plantation LANDOWNER Forry THP# 1-99-078 SON DFG TERRITORY NO. SO O35? (nearest)

OBSERVERS JIM BERRY, JOYCE BERRY, KAITY BERRY, BONNY GENERAL LOCATION N / W OF INTERSECTION OF

SEAVIEW & TIMBER COVE ROADS COUNTY SONOMA T- 8 N R- 13 W SECS. 2 & 11

DATE @ START 26 May 1998 CALL # 4 START TIME (2400 clock): 2050 END TIME: 2300 TOTAL TIME: 130

HABITAT TYPE REDWOOD MESIC, WHR 4D - 5D

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------|--|--|---|--|
| 2400 clock | | | | |
| 2050 begin 2300 end | pond and well campground tow of class III Forry Lake 4" steel pipe on truck road upper class III below Forry house | P(A) P(B) P(C) P(D) P(E) P(F) P(G) | N/A | NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE - NO NSO RESPONSE- NO NSO RESPONSE- NO NSO RESPONSE |

DATE @ START 9 June 1998 CALL # 5 OBSERVERS JIM BERRY

START TIME (2400 clock): 2115 END TIME: 2323 TOTAL TIME: 128

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-----------------------------|---|--|-----------------|
| 2115 | pond and well | P | | NO NSO RESPONSE |
| 2137 | campground | P | | NO NSO RESPONSE |
| 2154 | tow of class III | P | | NO NSO RESPONSE |
| 2211 | Forry Lake | P | | NO NSO RESPONSE |
| 2237 | 4" steel pipe on truck road | P | | NO NSO RESPONSE |
| 2254 | upper class III | P | | NO NSO RESPONSE |
| 2313 | below Forry house | P | | NO NSO RESPONSE |

DATE @ START 24 June, 1998 CALL # 6 OBSERVERS JIM and JOYCE and KAITY BERRY

START TIME (2400 clock): 2137 END TIME: 2330 TOTAL TIME: 113

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|------|-----------------------------|---|--|---------------------------------|
| 2137 | pond and well | P | | NO NSO RESPONSE |
| 2158 | campground | P | | NO NSO RESPONSE frogs on middle |
| 2210 | tow of class III | P | | lake |
| 2236 | Forry Lake | P | | NO NSO RESPONSE |
| 2250 | 4" steel pipe on truck road | P | | NO NSO RESPONSE |
| 2305 | upper class III | P | | NO NSO RESPONSE |
| 2320 | below Forry house | P | | NO NSO RESPONSE |

SPOTTED OWL FIELD SURVEY FORRY 1999-Calls #7,8,9

LANDOWNER Forry THP# 1-99-078 SON DFG TERRITORY NO. unknown CALL # 7 OBSERVERS JIM BERRY

GENERAL LOCATION N / W OF INTERSECTION OF SEAVIEW & TIMBER COVE ROADS COUNTY SONOMA
 Quad Name Plantation 7.5 minute & NAD 27 T- 8 N R- 13 W SECS. 2 & 11

DATE @ START 18 May 1999 START TIME (2400 clock): 2200 END TIME: 2351 TOTAL TIME: 111

HABITAT TYPE REDWOOD MESIC, WHR 4D - 5D HABITAT

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--|--|--|---|--|
| 2200 2215 2237 2251 2311 2330 2341 | pond and well campground tow of class III Forry Lake 4" steel pipe on truck road upper class III below Forry house | P(A) P(B) P (C) P (D) P (E) P (F) P (G) | N/A | NO NSO RESPONSE frogs deafening NO NSO RESPONSE sag pond frogs NO NSO RESPONSE NO NSO RESPONSE -jet and grey fox at 2308 NO NSO RESPONSE- NO NSO RESPONSE- NO NSO RESPONSE |

DATE @ START 24 June 1999 CALL # 8 OBSERVERS JIM BERRY

START TIME (2400 clock): 2054 END TIME: 2337 TOTAL TIME: 103

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no 48 degrees F

| | | | | |
|--|--|---|-----|--|
| 2054 2107 2122 2138 2200 2114 2227 | pond and well campground tow of class III Forry Lake 4" steel pipe on truck road upper class III below Forry house | P(A) P(B) P (C) P (D) P (E) P (F) P (G) | N/A | NO NSO RESPONSE frogs caucophony NO NSO RESPONSE Frogs NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE |
|--|--|---|-----|--|

DATE @ START 30 June 1999 CALL # 9 OBSERVERS JIM BERRY

START TIME (2400 clock): 2013 END TIME: 2150 TOTAL TIME: 97

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|--|--|---|-----|--|
| 2013 2026 2039 2053 2113 2126 2139 | pond and well campground tow of class III Forry Lake 4" steel pipe on truck road upper class III below Forry house | P(A) P(B) P (C) P (D) P (E) P (F) P (G) | N/A | NO NSO RESPONSE 50degrees F NO NSO RESPONSE frogs on middle lake NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE |
|--|--|---|-----|--|

SPOTTED OWL FIELD SURVEY FORRY 2000-Calls #10,11,12

LANDOWNER Forry THP# 1-99-078 SON DFG TERRITORY NO. SO O35? OBSERVERS Jim Berry CALL # 10

GENERAL LOCATION N / W OF INTERSECTION OF SEAVIEW & TIMBER COVE ROADS COUNTY SONOMA Quad Name 7.5 Min Plantation T- 8 N R- 13 W SECS. 2 & 11

DATE @ START 16 February 2000 START TIME (2400 clock): 1945 END TIME: 2132 TOTAL TIME: 107

HABITAT TYPE REDWOOD MESIC, WHR 4D - 5D HABITAT

WEATHER (bold): clear **cloudy** mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 1945 | pond and well | P | N/A | NO RESPONSE (EXTRA QUIET) |
| 2002 | campground | P | | NO RESPONSE 42-45 degrees F |
| 2015 | tow of class III | P | | NO RESPONSE |
| 2030 | Forry Lake | P | | NO RESPONSE |
| 2050 | 4" steel pipe on truck road | P | | NO RESPONSE class III running |
| 2108 | upper class III | P | | NO RESPONSE |
| 2122 | below Forry house | P | | NO RESPONSE |

DATE @ START 1 March 2000 CALL # 11 OBSERVERS JIM BERRY

START TIME (2400 clock): 1803 END TIME: 1950 TOTAL TIME: 107

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|-----------------------------|---|-----|---------------------|
| 1803 | pond and well | P | N/A | NO RESPONSE (QUIET) |
| 1815 | campground | P | | NO RESPONSE (QUIET) |
| 1830 | tow of class III | P | | NO RESPONSE (DOG) |
| 1845 | Forry Lake | P | | NO RESPONSE |
| 1902 | 4" steel pipe on truck road | P | | NO RESPONSE |
| 1917 | upper class III | P | | NO RESPONSE |
| 1940 | below Forry house | P | | NO RESPONSE |

DATE @ START 12 March 2000 CALL # 12 OBSERVERS JIM BERRY

START TIME (2400 clock): 1910 END TIME: 2047 TOTAL TIME: 97

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|-----------------------------|---|-----|--|
| 1910 | pond and well | P | N/A | NO RESPONSE (pond frogs loud) |
| 1925 | campground | P | | NO RESPONSE |
| 1938 | tow of class III | P | | NO RESPONSE (2 dogs barking, frogs) |
| 1950 | Forry Lake | P | | NO RESPONSE (Sound of Class II) |
| 2010 | 4" steel pipe on truck road | P | | NO RESPONSE (Class III noise) |
| 2024 | upper class III | P | | NO RESPONSE (Class III noise) |
| 2037 | below Forry house | P | | NO RESPONSE (dog to east, frogs at lake) |

Date: March 16, 2000

Ref: THP 1-99-078 SON (Forry)

Ken Hoffman
US Fish & Wildlife Service
1655 Heindon Rd.
Arcata, CA 95521

Dear Mr. Hoffman:

Enclosed are 12 NSO calls for the 1997, 1998, 1999 and 2000 seasons for the approved THP 1-99-078 SON (Forry). Also included are the 1.3 mile radius Vegetative Habitat Map and the CDF NSO Data base.

During the last decade Environmental Specialist Wooster documented an incredible number of owl sightings and nesting pairs and encouraged me to be consistent and persistent in my pursuit of truth in biology. Even though Seaview Ridge appears to me to be fine owl habitat in every respect and I have owled this area repeatedly for the last 10 years, I have never heard an NSO here. Forry appears to have optimum habitat with 3' - 4' burned trees available for cavity nesting, etc. The prey base is unknown.

Wooster originally signed a No - Take certification for this THP on August 29, 1998 but the plan took so long to prepare that he extended the No - Take certification to March 1, 2001. We worked under Mr. Wooster's No- Take extension last year.

Our plan is to begin the season (April 1) on Forry, working under the extension. We would prefer to know that you concur with this extension, and hope that our extensive, well distributed calls throughout many seasons will be sufficient documentation. Calls have been made on the following dates: 4-26-97; 7-13-97; 7-24-97; 5-26-98; 6-9-98; 6-24-98; 5-18-99; 5-24-99; 5-30-99; 2-16-2000; 3-1-2000; 3-12-2000.

I have very much enjoyed working with Stafford and with Wooster and conferring with other foresters about owl habitats and nest locations. If you decide to visit Sonoma County I could show you some local NSO habitats, both pre and post harvest.

Correspondence should be addressed to: Jim Berry P.O. Box 94 Cazadero, CA 95421.
Calls may be directed to (707) 632-5280.

Sincerely,

James M. Berry



United States Department of the Interior

FISH AND WILDLIFE SERVICE
ARCATA FISH AND WILDLIFE OFFICE
1655 HEINDON ROAD
ARCATA, CA 95521
(707) 822-7201
FAX (707) 822-8411

In Reply Refer To:
1-14-2000-TA-267b

April 6, 2001

Mr. Bill Snyder
Deputy Chief, Forest Practice
Dept. of Forestry and Fire Protection
135 Ridgeway Avenue
Santa Rosa, CA 95402

Subject: Response to Request for Additional Technical Assistance Regarding 1-99-078 SON

Ferry

Dear Mr. Snyder:

This responds to a request for U.S. Fish and Wildlife Service (Service) technical assistance, received in our office on April 5, 2001, on the above timber harvest plan (THP). At issue in the request is the potential for incidental take of the Federally listed northern spotted owl (*Strix occidentalis caurina*) as a result of operations conducted on the above THP. After review of the information pertaining to this request, the Service provides the following technical assistance.

This is a 159 acre (selection) approved THP located in Sections 2 and 11, Township 8 North, Range 13 West, M.D.B. & M. in Sonoma County. There are no known northern spotted owl activity centers located within 1,000 feet of the THP. The Service has determined that operations as proposed for the above THP would not be likely to incidentally take northern spotted owls provided the operations are complete prior to February 1, 2002.

All maps and data used to provide this technical assistance are on file at this office. If you have questions regarding this response, please contact Mr. Ken Hoffman at the Arcata Fish and Wildlife Office at (707) 822-7201.

Sincerely,

Bruce Halstead
Project Leader

cc:
Mr. Jim Berry, PO Box 94, Cazadero, CA 95421

SPOTTED OWL FIELD SURVEY FORRY 2001-Calls #13,14,15

LANDOWNER Forry THP# 1-99-078 SON DFG TERRITORY NO. SO 035? CALL # 13

OBSERVERS JIM BERRY GENERAL LOCATION N/W OF INTERSECTION OF SEAVIEW & TIMBER COVE

ROADS Plantation (7.5 minute and NAD 27) COUNTY SONOMA T- 8 N R- 13 W SECS. 2 & 11

DATE @ START 8 February 2001 START TIME (2400 clock): 1825 END TIME: 2021 TOTAL TIME: 115

HABITAT TYPE: REDWOOD MESIC, WHR 4D - 5D

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 1825 | pond and well | P | N/A | NO NSO RESPONSE |
| 1845 | campground | P | | NO NSO RESPONSE |
| 1858 | tow of class III | P | | NO NSO RESPONSE |
| 1917 | Forry Lake | P | | NO NSO RESPONSE |
| 1935 | 4" steel pipe on truck road | P | | NO NSO RESPONSE |
| 1959 | upper class III | P | | NO NSO RESPONSE |
| 2011 | below Forry house | P | | NO NSO RESPONSE |

DATE @ START 7 March 2001 CALL # 14 OBSERVERS JIM BERRY & MIKE ALLRED

START TIME (2400 clock): 1854 END TIME: 2049 TOTAL TIME: 115

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|-----------------------------|---|-----|----------------------------|
| 1854 | pond and well | P | N/A | NO NSO RESPONSE pond frogs |
| 1907 | campground | P | | NO NSO RESPONSE |
| 1924 | tow of class III | P | | NO NSO RESPONSE |
| 1939 | Forry Lake | P | | NO NSO RESPONSE |
| 2008 | 4" steel pipe on truck road | P | | NO NSO RESPONSE |
| 2025 | upper class III | P | | NO NSO RESPONSE |
| 2039 | below Forry house | P | | NO NSO RESPONSE |

DATE @ START 27 March 2001 CALL # 15 OBSERVERS JIM BERRY

START TIME (2400 clock): 1942 END TIME: 2124 TOTAL TIME: 92

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|-----------------------------|---|-----|----------------------------|
| 1942 | pond and well | P | N/A | NO NSO RESPONSE pond frogs |
| 1958 | campground | P | | NO NSO RESPONSE Pond frogs |
| 2013 | tow of class III | P | | NO NSO RESPONSE |
| 2027 | Forry Lake | P | | NO NSO RESPONSE |
| 2045 | 4" steel pipe on truck road | P | | NO NSO RESPONSE |
| 2101 | upper class III | P | | NO NSO RESPONSE |
| 2114 | below Forry house | P | | NO NSO RESPONSE |

SPOTTED OWL FIELD SURVEY FORRY 2002-Calls #16,17,18

LANDOWNER Forry THP# 1-99-078 SON DFG TERRITORY NO. NSO 0035? CALL # 16

OBSERVERS JIM BERRY GENERAL LOCATION N/W OF INTERSECTION OF SEAVIEW & TIMBER

COVE ROADS COUNTY SONOMA Quad Name Plantation (7.5minute & NAD 27) T- 8 N R- 13 W SECS. 2 & 11

DATE @ START 1 March 2002 START TIME (2400 clock): 1922 END TIME: 2056 TOTAL TIME: 94

HABITAT TYPE: REDWOOD MESIC, WHR 4D - 5D

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 1922 | pond and well | P | N/A | NO NSO RESPONSE 47 degrees F |
| 1936 | campground | P | | NO NSO RESPONSE quiet 49 degrees F |
| 1948 | tow of class III | P | | NO NSO RESPONSE 51 degrees F |
| 2002 | Forry Lake | P | | NO NSO RESPONSE 53 degrees F |
| 2019 | 4" steel pipe on truck road | P | | NO NSO RESPONSE 55 degrees F |
| 2034 | upper class III | P | | NO NSO RESPONSE chased skunk for 1000' |
| 2046 | below Forry house | P | | NO NSO RESPONSE 51 degrees F |

DATE @ START 26 March 2002 CALL # 17 OBSERVERS JIM BERRY & MIKE ALLRED

START TIME (2400 clock): 2016 END TIME: 2154 TOTAL TIME: 98

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no----

| | | | | |
|------|-----------------------------|---|-----|---|
| 2016 | pond and well | P | N/A | NO NSO RESPONSE pond frogs 57 degrees F |
| 2028 | campground | P | | NO NSO RESPONSE 50 degrees full moon |
| 2041 | tow of class III | P | | NO NSO RESPONSE sag pond frogs |
| 2054 | Forry Lake | P | | NO NSO RESPONSE 49 degrees F |
| 2115 | 4" steel pipe on truck road | P | | NO NSO RESPONSE 49 degrees F |
| 2130 | upper class III | P | | NO NSO RESPONSE Bonny snoring |
| 2144 | below Forry house | P | | NO NSO RESPONSE 47 degrees F |

DATE @ START 8 July 2002 CALL # 18 OBSERVERS JIM BERRY and KAITLY BERRY

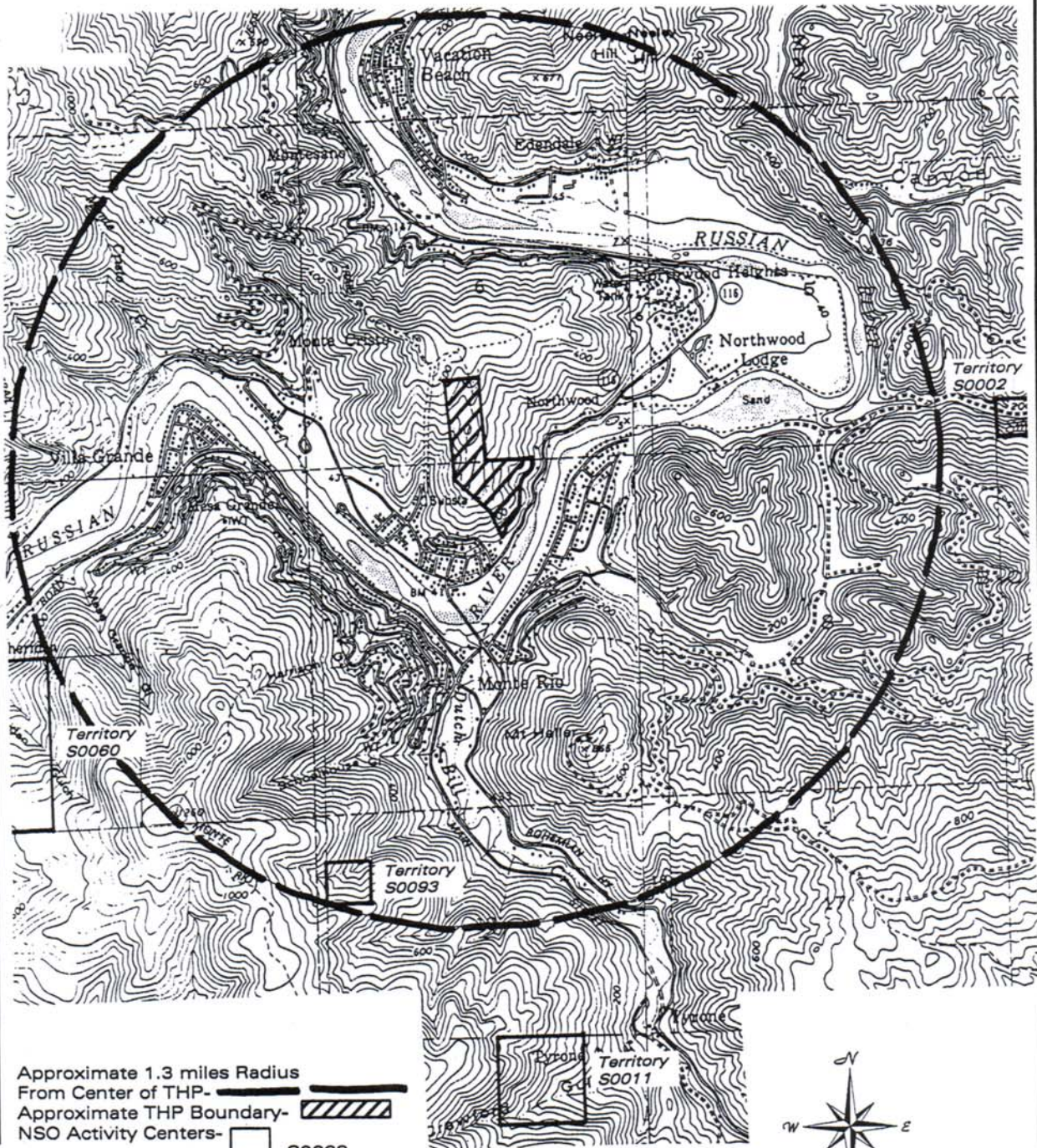
START TIME (2400 clock): 2200 END TIME: 2351 TOTAL TIME: 111




WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|-----------------------------|---|-----|---|
| 2200 | pond and well | P | N/A | NO NSO RESPONSE pond frogs 64 dgrees F |
| 2214 | campground | P | | NO NSO RESPONSE Pond frogs 64 deg. F |
| 2228 | tow of class III | P | | NO NSO RESPONSE tree frogs 69 degrees F |
| 2250 | Forry Lake | P | | NO NSO RESPONSE 73 degrees F |
| 2311 | 4" steel pipe on truck road | P | | NO NSO RESPONSE 74 degrees F |
| 2328 | upper class III | P | | NO NSO RESPONSE 71 degrees F |
| 2341 | below Forry house | P | | NO NSO RESPONSE 71 degrees F |

End of Forry THP#1-99-078 SON and beginning of Mc Donell THP#

McDonnell THP NSO Activity Center Map

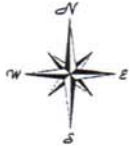




Approximate 1.3 miles Radius
 From Center of THP- 
 Approximate THP Boundary- 
 NSO Activity Centers-  S0093

Scale: 1:24000
 Duncans Mills & Camp Meeker 7.5' Quads,
 Dated 1979 & 1954

McDonnell Timber Harvest Plan

Pre & Post NSO Habitat- .7 mile radius from NSO Territory S0093



- .7 Mile Radius Boundary- 
- THP Boundary- 
- Nest/Roost- NR (± 537 acres)
- Roost- R (± 53 acres)
- Forage- F (± 335 acres)
- Non-Habitat- NH (± 60 acres)

Scale: $\pm 1:34,800$

Duncans Mills USGS Quad



RPF: LORN BERRY
RQST. NO.: 3134

#: 1193

05/25/2001
Pg: 1

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM
Version 2.0

REPORT #1

DATA

REPORT OF AREAS SEARCHED

| COUNTY | TOWNSHIP | RANGE | SECTION | TERRITORY |
|--------|----------|-------|---------|---------------------|
| SO | 7N | 10W | 0 | ** NO OWLS KNOWN ** |
| SO | 7N | 10W | 5 | ** NO OWLS KNOWN ** |
| SO | 7N | 10W | 6 | ** NO OWLS KNOWN ** |
| SO | 7N | 10W | 7 | ** NO OWLS KNOWN ** |
| SO | 7N | 10W | 8 | SO002 |
| SO | 7N | 10W | 9 | SO083 |
| SO | 7N | 10W | 17 | SO011 |
| SO | 7N | 10W | 18 | SO011 |
| SO | 7N | 10W | 18 | SO093 |
| SO | 7N | 11W | 1 | ** NO OWLS KNOWN ** |
| SO | 7N | 11W | 12 | SO060 |
| SO | 7N | 11W | 13 | SO048 |
| SO | 7N | 11W | 13 | SO060 |
| SO | 8N | 10W | 31 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 36 | ** NO OWLS KNOWN ** |

NOTE: THREE SEPERATE REPORTS ARE GENERATED IF NORTHERN SPOTTED OWL RECORDS ARE KNOWN FROM THE REQUESTED AREA. THE SECOND AND THIRD REPORTS WILL NOT PRINT IF OBSERVATIONS RECORDS ARE NOT FOUND.

RPF: LORN BERRY
RQST. NO.: 3134

#: 1193

05/25/2001
Pg: 1

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

Version 2.0

August 14, 2000

REPORT #2

DATA

REPORT OF TERRITORIES FOUND

| LOCALE | TWN | RNG | SECT | 1/4 | 1/16 | 1/64 | OWNER | | YEAR | TERR. | NEST/YNG |
|------------------|-----|-----|------|-----|------|------|-------|-------|------|-------|----------|
| | | | | | | | TYPE | OWNER | | | |
| TERRITORY: S0002 | | | | | | | | | | | |
| BOHEMIAN GROVE | 7N | 10W | 4 | SW | SW | SW | PVT | | 94 | - P | - |
| TERRITORY: S0011 | | | | | | | | | | | |
| DUTCH BILL CR | 7N | 10W | 19 | NE | NW | | PVT | | 97 | - P | 92 - |
| TERRITORY: S0048 | | | | | | | | | | | |
| FREEZEOUT CR | 7N | 11W | 14 | SE | NE | | PVTI | MRC | 98 | - P | 96 - 96 |
| TERRITORY: S0060 | | | | | | | | | | | |
| SHERIDAN GUL | 7N | 11W | 12 | SW | W | | PVTI | MRC | 98 | - P | - |
| TERRITORY: S0083 | | | | | | | | | | | |
| SMITH CR | 7N | 10W | 9 | NE | NE | SW | PVT | | 94 | - S | - |
| TERRITORY: S0093 | | | | | | | | | | | |
| DUTCH BILL CR | 7N | 10W | 18 | NW | NW | SW | PVT | | 97 | - P | - |

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANATION SHEET" DATED AFTER JANUARY 1, 1994.

RPF: LORN BERRY
RQST. NO.: 3134

#: 1193

05/25/2001
Pg: 1

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

Version 2.0

August 14, 2000

REPORT #3

DATA

REPORT OF SIGHTINGS REPORTED FOR TERRITORIES FOUND

| TWN | RNG | SECT | 1/4 | 1/16 | 1/64 | DATE SEEN | OBSERVER | NO. OF OWLS | AGE- SEX | NO. OF PAIR | YNG. | NEST |
|------------------|-----|------|-----|------|------|------------|-----------------|----------------|-------------|----------------|------|------|
| TERRITORY: S0002 | | | | | | | | | | | | |
| 7N | 10W | 0 | | | | 01/01/1927 | CONDOR 29:160 | 1 | UU | | 0 | |
| 7N | 10W | 8 | NW | SE | | 03/11/1974 | GOULD-BUCKMAN | 2 | UMUF | Y | 0 | |
| 7N | 10W | 0 | | | | 04/13/1990 | WOOSTER-SPIGHT | 1 | UM | | 0 | |
| 7N | 10W | 4 | SW | SE | SW | 05/27/1994 | TUNHEIM | 1 | UU | | 0 | |
| 7N | 10W | 4 | SW | SW | SW | 06/10/1994 | TUNHEIM | 1 | UU | | 0 | |
| TERRITORY: S0011 | | | | | | | | | | | | |
| 7N | 10W | 17 | SW | NW | | 08/15/1989 | WOOSTER | 2 | UMUF | | 0 | |
| 7N | 10W | 20 | NW | N | CN | 12/30/1990 | WOOSTER+STAFFOR | 1 | UU | | 0 | |
| 7N | 10W | 19 | NE | | | 04/18/1992 | WOOSTER+ | 1 | UM | | 0 | |
| 7N | 10W | 19 | NE | NW | | 04/18/1992 | WOOSTER+ | 1 | UM | | 0 | |
| 7N | 10W | 19 | NE | NW | | 05/18/1992 | WOOSTER+ | 2 | UMUF | Y | 0 | Y |
| 7N | 10W | 19 | NE | NW | | 06/18/1992 | WOOSTER+ | 1 | UF | | 3 | |
| 7N | 10W | 19 | SE | NW | SW | 01/01/1995 | LPC | 2 | UMUF | Y | 0 | |
| | | 0 | | | | 01/01/1996 | LPC | 0 | | | 0 | |
| 7N | 10W | 18 | SE | SW | SW | 05/03/1997 | WOOSTER-BERRY | 2 | UMUF | Y | 0 | N |
| 7N | 10W | 18 | W | | | 05/03/1997 | WOOSTER-BERRY | 0 | | | 0 | |
| TERRITORY: S0048 | | | | | | | | | | | | |
| 7N | 11W | 14 | SE | NE | C | 01/01/1990 | LPC | 2 | UMUF | Y | 0 | |
| 7N | 11W | 14 | | | | 03/09/1990 | TW | 2 | UMUF | Y | 0 | |
| 7N | 11W | 15 | | | | 03/09/1990 | TW | 2 | UMUF | Y | 0 | |
| 7N | 11W | 14 | | | | 03/15/1990 | TW&MP | 2 | UMUF | Y | 0 | |
| 7N | 11W | 15 | | | | 03/15/1990 | TW&MP | 2 | UMUF | Y | 0 | |
| 7N | 11W | 14 | | | | 08/04/1990 | WOOSTER | 0 | | | 0 | |
| 7N | 11W | 14 | | | | 10/03/1990 | TW&GE | 1 | UM | | 0 | |
| 7N | 11W | 15 | | | | 10/03/1990 | TW&GE | 1 | UM | | 0 | |
| 7N | 11W | 14 | E | | | 04/08/1991 | WOOSTER+ | 0 | | | 0 | |
| 7N | 11W | 14 | SE | NE | | 04/14/1991 | WOOSTER+ | 1 | UM | | 0 | |
| 7N | 11W | 14 | SE | NE | | 05/01/1991 | WOOSTER | 1 | UM | | 0 | |
| 7N | 11W | 14 | SE | NE | S | 06/13/1991 | LPC | 2 | UMUF | Y | 1 | |
| 7N | 11W | 14 | SE | NE | C | 01/01/1992 | LPC | 2 | UMUF | Y | 0 | |
| 7N | 11W | 14 | E | | | 01/28/1992 | WOOSTER | 1 | UU | | 0 | |
| 7N | 11W | 14 | SE | | | 03/16/1992 | THP | 0 | | | 0 | |

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANATION SHEET" DATED AFTER JANUARY 1, 1994.

RPF: LORN BERRY
RQST. NO.: 3134

#: 1193

05/25/2001
Pg: 1

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

Version 2.0

August 14, 2000

REPORT #3 DATA

REPORT OF SIGHTINGS REPORTED FOR TERRITORIES FOUND

| TWN | RNG | SECT | 1/4 | 1/16 | 1/64 | DATE SEEN | OBSERVER | NO. OF OWLS | AGE-SEX | NO. OF PAIR YNG. | NEST |
|------------------|-----|------|-----|------|------|------------|-----------------|-------------|---------|------------------|------|
| TERRITORY: S0002 | | | | | | | | | | | |
| 7N | 10W | 0 | | | | 01/01/1927 | CONDOR 29:160 | 1 | UU | | 0 |
| 7N | 10W | 8 | NW | SE | | 03/11/1974 | GOULD-BUCKMAN | 2 | UMUF | Y | 0 |
| 7N | 10W | 0 | | | | 04/13/1990 | WOOSTER-SPIGHT | 1 | UM | | 0 |
| 7N | 10W | 4 | SW | SE | SW | 05/27/1994 | TUNHEIM | 1 | UU | | 0 |
| 7N | 10W | 4 | SW | SW | SW | 06/10/1994 | TUNHEIM | 1 | UU | | 0 |
| TERRITORY: S0011 | | | | | | | | | | | |
| 7N | 10W | 17 | SW | NW | | 08/15/1989 | WOOSTER | 2 | UMUF | | 0 |
| 7N | 10W | 20 | NW | N | CN | 12/30/1990 | WOOSTER+STAFFOR | 1 | UU | | 0 |
| 7N | 10W | 19 | NE | | | 04/18/1992 | WOOSTER+ | 1 | UM | | 0 |
| 7N | 10W | 19 | NE | NW | | 04/18/1992 | WOOSTER+ | 1 | UM | | 0 |
| 7N | 10W | 19 | NE | NW | | 05/18/1992 | WOOSTER+ | 2 | UMUF | Y | 0 |
| 7N | 10W | 19 | NE | NW | | 06/18/1992 | WOOSTER+ | 1 | UF | | 3 |
| 7N | 10W | 19 | SE | NW | SW | 01/01/1995 | LPC | 2 | UMUF | Y | 0 |
| | | 0 | | | | 01/01/1996 | LPC | 0 | | | 0 |
| 7N | 10W | 18 | SE | SW | SW | 05/03/1997 | WOOSTER-BERRY | 2 | UMUF | Y | 0 |
| 7N | 10W | 18 | W | | | 05/03/1997 | WOOSTER-BERRY | 0 | | | 0 |
| TERRITORY: S0048 | | | | | | | | | | | |
| 7N | 11W | 14 | SE | NE | C | 01/01/1990 | LPC | 2 | UMUF | Y | 0 |
| 7N | 11W | 14 | | | | 03/09/1990 | TW | 2 | UMUF | Y | 0 |
| 7N | 11W | 15 | | | | 03/09/1990 | TW | 2 | UMUF | Y | 0 |
| 7N | 11W | 14 | | | | 03/15/1990 | TW&MP | 2 | UMUF | Y | 0 |
| 7N | 11W | 15 | | | | 03/15/1990 | TW&MP | 2 | UMUF | Y | 0 |
| 7N | 11W | 14 | | | | 08/04/1990 | WOOSTER | 0 | | | 0 |
| 7N | 11W | 14 | | | | 10/03/1990 | TW&GE | 1 | UM | | 0 |
| 7N | 11W | 15 | | | | 10/03/1990 | TW&GE | 1 | UM | | 0 |
| 7N | 11W | 14 | E | | | 04/08/1991 | WOOSTER+ | 0 | | | 0 |
| 7N | 11W | 14 | SE | NE | | 04/14/1991 | WOOSTER+ | 1 | UM | | 0 |
| 7N | 11W | 14 | SE | NE | | 05/01/1991 | WOOSTER | 1 | UM | | 0 |
| 7N | 11W | 14 | SE | NE | S | 06/13/1991 | LPC | 2 | UMUF | Y | 1 |
| 7N | 11W | 14 | SE | NE | C | 01/01/1992 | LPC | 2 | UMUF | Y | 0 |
| 7N | 11W | 14 | E | | | 01/28/1992 | WOOSTER | 1 | UU | | 0 |
| 7N | 11W | 14 | SE | | | 03/16/1992 | THP | 0 | | | 0 |

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANATION SHEET" DATED AFTER JANUARY 1, 1994.

RPF: LORN BERRY
RQST. NO.: 3134

#: 1193

05/25/2001
Pg: 2

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

Version 2.0

August 14, 2000

REPORT #3

DATA

REPORT OF SIGHTINGS REPORTED FOR TERRITORIES FOUND

| TWN | RNG | SECT | 1/4 | 1/16 | 1/64 | DATE SEEN | OBSERVER | NO. OF OWLS | AGE-SEX | NO. OF PAIR YNG. | NEST |
|-----|-----|------|-----|------|------|------------|-----------------|-------------|---------|------------------|------|
| 7N | 11W | 14 | SE | | | 04/01/1992 | THP | 0 | | 0 | |
| 7N | 11W | 14 | SE | | | 04/15/1992 | THP | 0 | | 0 | |
| 7N | 11W | 0 | | | | 11/04/1992 | WOOSTER | 1 | UU | 0 | |
| 7N | 11W | 13 | SW | NW | C | 07/28/1993 | LPC | 2 | UMUF Y | 1 | |
| 7N | 11W | 14 | | | | 11/02/1993 | WOOSTER | 1 | UM | 0 | |
| 7N | 11W | 0 | | | | 01/01/1994 | LPC | 0 | | 0 | |
| 7N | 11W | 14 | SE | NE | NE | 01/01/1995 | LPC | 2 | UMUF Y | 0 | N |
| 7N | 11W | 0 | | | | 03/17/1995 | C.B.(LPC) | 1 | UF | 0 | |
| 7N | 11W | 14 | SE | NE | CS | 01/01/1996 | LPC | 2 | UMUF Y | 1 | Y |
| 7N | 11W | 14 | SE | NE | | 06/03/1996 | WOOSTER-STAFFOR | 2 | UMUF Y | 0 | Y |
| 7N | 11W | 13 | SW | NW | SE | 01/01/1998 | MENDO. REDWOOD | 1 | UU | 0 | |
| 7N | 11W | 13 | SW | SW | NE | 01/01/1999 | MRC | 0 | | 0 | |

TERRITORY: S0060

| | | | | | | | | | | | |
|----|-----|----|----|----|----|------------|-----------------|---|--------|---|--|
| 7N | 11W | 12 | SW | W | | 04/18/1992 | WOOSTER+ | 2 | UMUF Y | 0 | |
| 7N | 11W | 13 | NE | NE | E | 01/01/1993 | LPC | 2 | UMUF Y | 0 | |
| 7N | 11W | 13 | NE | W | CW | 01/01/1994 | LPC | 1 | UF | 0 | |
| 7N | 11W | 12 | SW | | | 07/06/1994 | WOOSTER | 2 | UMUF Y | 0 | |
| | | 0 | | | | 01/01/1995 | LPC-not checked | 0 | | 0 | |
| | | 0 | | | | 01/01/1996 | LPC-not checked | 0 | | 0 | |
| 7N | 11W | 12 | SW | W | | 03/21/1996 | BERRY | 1 | UF | 0 | |
| 7N | 11W | 12 | SW | W | | 05/11/1996 | WOOSTER | 2 | UMUF Y | 0 | |
| 7N | 11W | 12 | | | | 04/24/1997 | WOOSTER | 0 | | 0 | |
| 7N | 11W | 12 | | | | 05/22/1997 | WOOSTER | 0 | | 0 | |
| 7N | 11W | 12 | SW | | | 06/13/1998 | WOOSTER-BERRY | 0 | | 0 | |
| 7N | 11W | 12 | W | E | C | 07/23/1998 | BERRY | 0 | | 0 | |
| 7N | 11W | 12 | SW | | | 07/23/1998 | BERRY | 2 | UMUF Y | 0 | |

TERRITORY: S0083

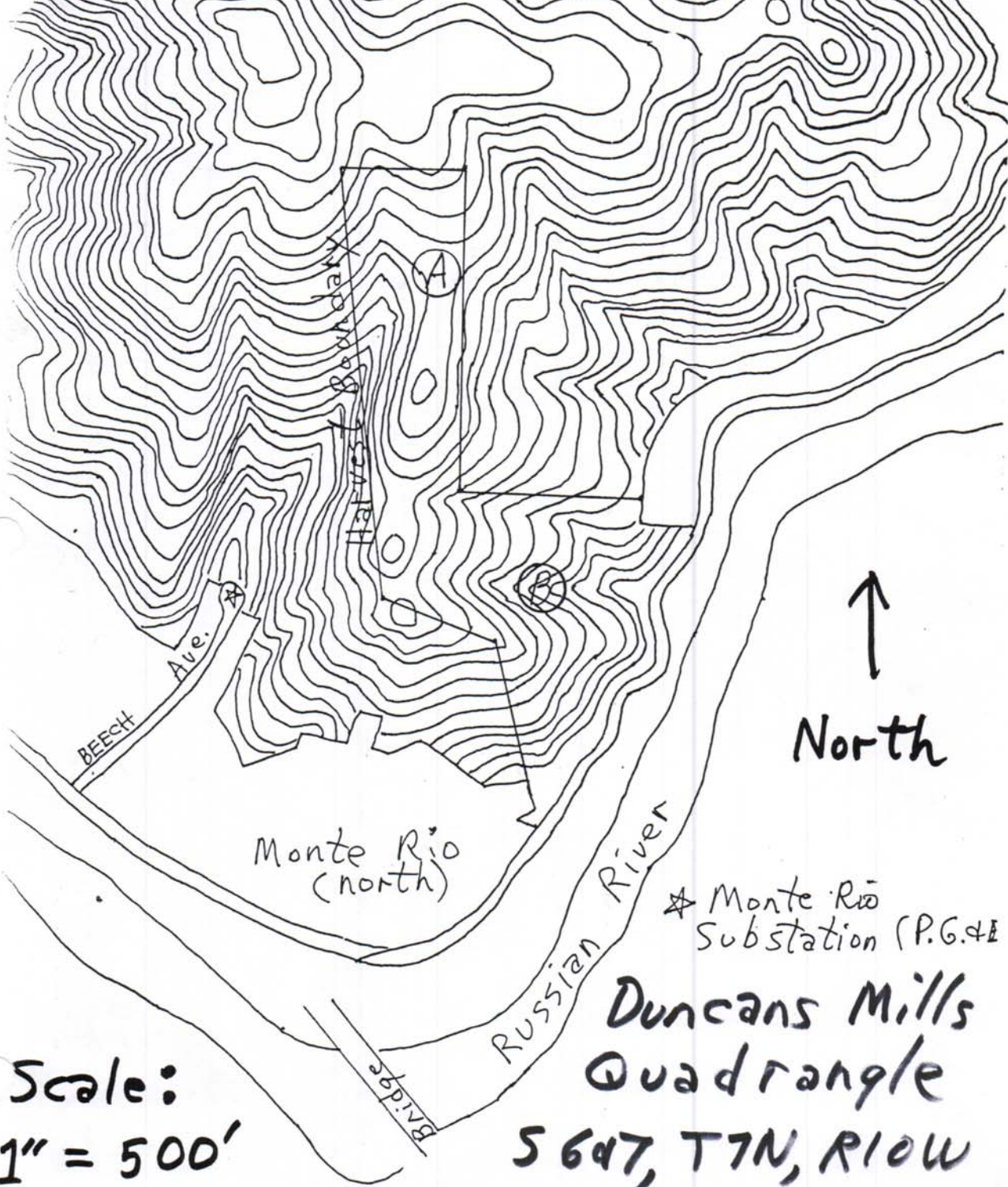
| | | | | | | | | | | | |
|----|-----|---|----|----|----|------------|---------|---|------|---|--|
| 7N | 10W | 9 | NE | NE | NE | 05/27/1994 | TUNHEIM | 2 | UUUU | 0 | |
| 7N | 10W | 9 | NE | NE | SW | 05/27/1994 | TUNHEIM | 2 | UUUU | 0 | |
| 7N | 10W | 9 | NE | NE | NE | 06/10/1994 | TUNHEIM | 2 | UUUU | 0 | |

TERRITORY: S0093

| | | | | | | | | | | | |
|----|-----|----|----|--|--|------------|-------|---|--|---|--|
| 7N | 10W | 18 | NW | | | 03/13/1997 | BERRY | 0 | | 0 | |
| 7N | 10W | 18 | NW | | | 03/21/1997 | BERRY | 0 | | 0 | |

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANATION SHEET" DATED AFTER JANUARY 1, 1994.

Northern Spotted Owl Station Map McDonnell



Scale:
1" = 500'

★ Monte Rio
Substation (P.G.&E)
Duncan Mills
Quadrangle
5647, T7N, R10W

SPOTTED OWL FIELD SURVEY-MC DONELL-1998 CALLS 1,2,3

LANDOWNER Mc Donell THP# 1-01-430 SON DFG TERRITORY NO. None known OBSERVERS Jim Berry Call #1

GENERAL LOCATION 1/4 mile north east of Monte Rio COUNTY Sonoma Quad Name Duncans Mills (7.5 min and NAD 27) T 7N
R- 10W SECS. 6& 7

DATE @ START 4/7/98, START TIME (2400 clock): 2100 END TIME: 2140 TOTAL TIME: 40 minutes

Habitat Type Douglas Fir, Redwood, Tanoak, Laurel, Live Oak, Huckleberry

WEATHER (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-----------------------|---|--|--|---|
| 2100 | STATION A | POINT | N/A | NO RESPONSE Hwy 116 noise each of 9 calls |
| 2130 | STATION B See Map | POINT | N/A | NO RESPONSE between 20 and 30 packrat nests in adjacent area to southwest |

DATE @ START 20 April 1998 OBSERVERS Jim Berry Call # 2

START TIME (2400 clock): 2105 END TIME: 2145 TOTAL TIME: 40 minutes

WEATHER (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-----------------------|---|--|--|---|
| 2105 | STATION A | POINT A | N/A | NO RESPONSE Hwy 116 noise each of 9 calls |
| 2135 | STATION B See Map | POINT B | N/A | NO RESPONSE between 20 and 30 packrat nests in adjacent area in Poison oak , madrone, tanoak to SW |

DATE @ START 19 June 1998, OBSERVERS Jim Berry, Joyce, Kaitv, Bonny

START TIME (2400 clock): 2222 END TIME: 2247 TOTAL TIME: 25 minutes

WEATHER (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-----------------------|---|--|--|---|
| 2222 | POINT A | P | N/A | NO RESPONSE Hwy Fox called on Bonny |
| 2237 | POINT B | P | N/A | NO RESPONSE Dog barking, & Hwy 116 |

SPOTTED OWL FIELD SURVEY-MC DONELL-2000 CALLS 4,5,6

LANDOWNER Mc Donell THP# 1-01-430 SON DFG TERRITORY NO. None known OBSERVERS Jim Berry Call #4

GENERAL LOCATION 1/4 mile north east of Monte Rio COUNTY Sonoma Quad Name Duncans Mills (7.5 min and NAD 27) T 7N
R- 10W SECS. 6& 7 See Map

DATE @ START 23 May 2000 START TIME (2400 clock): 2126 END TIME: 2150 TOTAL TIME: 24 minutes

Habitat Type Douglas Fir, Redwood, Tanoak, Laurel, Live Oak, Huckleberry WHR 5

WEATHER (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|--|
| 2126 | STATION A | POINT A | N/A | NO RESPONSE 67° F |
| 2140 | STATION B See Map | POINT B | N/A | NO RESPONSE |

DATE @ START 2 August 2000 OBSERVERS Jim Berry and Bonny Call # 5

START TIME (2400 clock): 2135 END TIME: 2210 TOTAL TIME: 35 minutes

WEATHER (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze no

| | | | | |
|------|--------------------------|---------|-----|---|
| 2135 | STATION A | POINT A | N/A | NO RESPONSE Hwy 58° |
| 2200 | STATION B See Map | POINT B | N/A | NO RESPONSE Skunk came running at me even under headlights and flashlight, and kept going right past and disappeared |

DATE @ START 9 August 2000 Call # 6 OBSERVERS Jim Berry & Bonny

START TIME (2400 clock): 2132 END TIME: 2157 TOTAL TIME: 25 minutes

WEATHER (circle one): clear cloudy mist / fog light/rain heavy/rain snow WIND (circle one): calm breeze no

| | | | | |
|------|--------------------------|---------|-----|--------------------|
| 2132 | STATION A | POINT A | N/A | NO RESPONSE 60° |
| 2147 | STATION B See Map | POINT B | N/A | NO RESPONSE |

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
COAST-CASCADE REGION
131 RIDGWAY AVENUE
P.O. BOX 070
SANTA ROSA, CA 95402-0670
(707) 576-2959

OCT 26 2000
U.S. Fish & Wildlife Service
Arcata, CA



October 20, 2000

Mr. Kenneth Hoffman
U.S. Fish & Wildlife Service
Arcata Fish & Wildlife Office
1855 Heindon Road
Arcata, CA 95521

Subject: Request for Technical Assistance on CDF Northern Spotted Owl Guidelines

Dear Mr. Hoffman:

The California Department of Forestry & Fire Protection (CDF) would like to seek technical assistance (TA) from the U.S. Fish & Wildlife Service (Service) on the attached Northern Spotted Owl Guidelines. The purpose of the guidelines is to assure that timber harvest plans submitted within the range of the northern spotted owl will not likely result in take of this federally threatened species. The guidelines address information needs, standard protection measures, and the need to amend subsequent letters of TA into the THP. It is the intent of the CDF that upon receiving technical assistance from the Service to make these guidelines available to individuals preparing timber harvest plans and the public. The CDF is therefore requesting TA on the process and not on an individual action.

If you have any questions regarding the information in this document please feel to contact either Jay Harris (707/726-4256) or Bill Snyder (707/576-2938) of my staff for assistance.

Sincerely,


Dean Lucke
Assistant Deputy Director for
Forest Practice

cc. Rogler Thompson (CDF - Santa Rosa)
Duane Sumaku (CDF - Redding)
Bill Snyder (CDF - Santa Rosa)
John Marshall (CDF - Fortuna)
Jay Harris (CDF - Fortuna)
Mark Stopher (DFG - Redding)
Steve Rae (DFG - Yountville)
Ken Moore (DFG - Eureka)



United States Department of the Interior

FISH AND WILDLIFE SERVICE
ARCATA FISH AND WILDLIFE OFFICE
1655 HEINDON ROAD
ARCATA, CA 95521
(707) 822-7201
FAX (707) 822-8411

In Reply Refer To:
1-14-2001-FA-20

January 10, 2001

Mr. Dean Lucke
Assistant Deputy Director, Forest Practice
Dept. of Forestry and Fire Protection
135 Ridgeway Avenue
Santa Rosa, CA 95402

Subject: Response to Request for Technical Assistance Regarding Northern Spotted Owl Guidelines

Dear Mr. Lucke

This responds to your request for U.S. Fish and Wildlife Service (Service) technical assistance on the use of the Northern Spotted Owl Guidelines (Guidelines) submitted to our office on October 26, 2000. Your request describes initiating a process by which, through the use of the Guidelines, timber harvest plan (THP) proponents may have their THPs approved in compliance with the Forest Practice Rules and the California Environmental Quality Act. An issue in the request is the potential for incidental take of the Federally listed northern spotted owl (*Strix occidentalis caurina*).

In response to your request, the Service has determined that, provided no timber operations will occur until valid northern spotted owl technical assistance has been obtained from the Service, implementation of the process described in the Guidelines would not be likely to incidentally take northern spotted owls. Parties submitting information to the Service for technical assistance should be aware that other information may be required in addition to that specified in your Guidelines.

If you have questions regarding this response, please contact Mr. Ken Hoffman at the Arcata Fish and Wildlife Office at (707) 822-7201.

Sincerely,

Phil Detrich
HCP Team Project Leader

cc:
CUI: J. Harris, 118 Fortuna Blvd., Fortuna, CA 95540
CUI: J. Marshal, 118 Fortuna Blvd., Fortuna, CA 95540
CUI: R. Thompson, 135 Ridgeway Avenue, Santa Rosa, CA 95402
CUI: B. Snyder, 135 Ridgeway Avenue, Santa Rosa, CA 95402
CUI: D. Shitaku, 6105 Airport Road, Redding, CA 96601

SPOTTED OWL FIELD SURVEY-MC DONELL-2001 CALLS 7,8,9

LANDOWNER Mc Donell THP# 1-01-430 SON DFG TERRITORY NO. None known OBSERVERS Jim Berry, Kaitv Berry, Bonny Call # 7

GENERAL LOCATION 1/4 mile north east of Monte Rio COUNTY Sonoma Quad Name Duncans Mills (7.5 min and NAD 27) T 7N
R- 10W SECS. 6& 7 THP center =

DATE @ START 14 March 2001 START TIME (2400 clock): 1945 END TIME: 2010 TOTAL TIME: 25 minutes

Habitat Type Douglas Fir, Redwood, Tanoak, Laurel, Live Oak, Huckleberry WHR 5

WEATHER (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-----------------------|---|--|--|---|
| 1945 | STATION A | POINT A | N/A | NO RESPONSE Hwy 116 noise |
| 2000 | STATION B See Map | POINT B | N/A | NO RESPONSE Pygmy Owl (2000-2015) 150' north near ridge top. Sawwhet with endless call 400' northeast as we left. |

DATE @ START 22 March 2001 OBSERVERS Jim Berry Call # 8

START TIME (2400 clock): 2000 END TIME: 2025 TOTAL TIME: 25 minutes

WEATHER (circle one): clear cloudy mist / fog light/rain heavy/rain snow WIND (circle one): calm breeze no

| | | | | |
|-------------|--------------------------|---------|-----|-------------|
| 2000 | STATION A | POINT A | N/A | NO RESPONSE |
| 2015 | STATION B See Map | POINT B | N/A | NO RESPONSE |

DATE @ START 3 April 2001 OBSERVERS Jim Berry Call # 9

START TIME (2400 clock): 2053 END TIME: 2119 TOTAL TIME: 26 minutes

WEATHER (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze no

| | | | | |
|-------------|--------------------------|---------|-----|---|
| 2053 | STATION A | POINT A | N/A | NO NSO RESPONSE Saw fox in haul road 1/4 mile above Northwood 44Degrees F |
| 2109 | STATION B See Map | POINT B | N/A | NO NSO RESPONSE Dogs, plane, tree creaking in breeze. |

April 19, 2001

Ref.: THP- Mc Donell
No previous technical assistance

Ken Hoffman:
U.S. Fish and Wildlife Service
1655 Heindon Road
Arcata, CA 95521

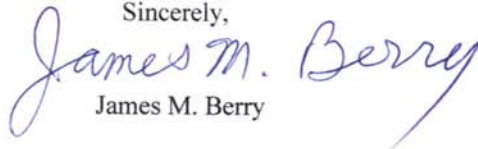
Dear Mr. Hoffman:

We would like to ask for technical assistance for determination of Take/No take for the Northern Spotted Owl on the 30 acre Mc Donell property. The THP silviculture will be selection. I have included the NSO Data Base information from the Dept. of Forestry, the 1.3 mile radius Vegetative Habitat Map and 9 previous calls including 3 for 2001.

A fox was seen in call numbers 3 & 9, a skunk in call #5 and both a Pygmy and Sawwhet Owl in call #7. No Northern Spotted Owl call was heard at any time. We have located at least one NSO pair where there is loud road noise (in Mays Canyon) but the constant noise day or night and the distance to water may more than offset the abundance of packrats in this area. The two to three storied canopy appears to be adequate habitat for Screech, Spotted, Pygmy or Sawwhet Owls. The habitat following harvest will likely be suitable as well.

Correspondence should be sent to Jim Berry, P.O. Box 94, Cazadero, CA 95421. Phone calls may be directed to (707) 632-5280.

Sincerely,


James M. Berry

SPOTTED OWL FIELD SURVEY-MC DONELL-2002 CALLS 10.11,12

LANDOWNER Mc Donell THP# 1-01-430 SON DFG TERRITORY NO. None known OBSERVERS Jim and Kaitv Berry CALL # 10

GENERAL LOCATION 1/4 mile NE of Monte Rio COUNTY Sonoma Quad Name Duncans Mills 7.5 Min & NAD 27 T- 7N
R- 10W SECS. 6 & 7

DATE @ START 14 March 2002 START TIME (2400 clock): 1943 END TIME: 2014 TOTAL TIME: 31

HABITAT Dominant canopy is Rwd.and Douglas Fir; intermediate is Tanoak. Laurel; shrub layer is huckle berry and manzanita. WHR 4d & 5d

WEATHER (In yellow): clear Cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|--|
| 1943-1943 | Station B | Point | N/A | NO RESPONSE 61 degrees F. |
| 2004-2014 | Station A | Point | N/A | NO RESPONSE 52 degrees F. |

DATE @ START 27 March 2002 CALL # 11 OBSERVERS: Jim Berry and Bonny

START TIME (2400 clock): 2028 END TIME: 2056 TOTAL TIME: 28

WEATHER (In yellow): clear **cloudy** mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|--|
| 2028-2038 | Station A | Point | N/A | NO RESPONSE 52 degrees F. |
| 2046-2056 | Station B | Point | N/A | NO RESPONSE |

DATE @ START 3 April 2002 Call # 12 OBSERVERS: Jim Berry, Kaitv Berry and Bonny

START TIME (2400 clock): 2050 END TIME: 2124 TOTAL TIME: 34

WEATHER (In yellow): clear **cloudy** mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|--|
| 2050-2100 | Station A | Point | N/A | NO RESPONSE 52 degrees F. |
| 2014-2124 | Station B | Point | N/A | NO RESPONSE |

End of Mc Donell THP#1-01-430 SON and beginning of Forry THP#1-99-078 SON

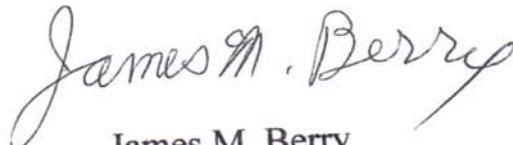
Date: June 1, 2009
Reference: THP #1-08-025 SON
Willig Gulch THP—request for Technical Assistance

Calfire
Ronald Pape
135 Ridgway Ave,
Santa Rosa, CA 95401

Dear Mr. Pape:

The technical assistance from Ken Hoffman of U.S. Fish and Wildlife for determination of NSO Take / No-Take for the above THP was received in 2008 and is on file with U.S. Fish and Wildlife and Calfire. Copies of surveys of each calling date in 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 and 2009 are enclosed. The 81 acre THP is entirely selective and partly in the Coast Zone within Special Treatment Area Rules. The NSO data base and vegetative maps, 2 aerial photos (one for Calfire showing the THP location and vegetation) and tables for 4 potential NSO areas were enclosed with the 2008 packet. They include 24 calls plus three in 2009. Enclosed are calls on 5/24/01, 6/9/01, 6/29/01, 7/6/02 7/19/02, 7/24/02, 3/6/03, 4/10/03, 5/25/03, 6/20/04, 7/11/04, 7/21/04, 4/13/05, 6/11/05, 7/15/05, 3/15/06, 4/18/06, 5/20/06, 7/7/07, 7/14/07, 7/21/07, 4/10/08, 4/26/08, 5/16/08, 3/20/09, 5/16/09, 5/25/09. The Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Phone calls may be directed to Jim Berry at (707) 632-5280.

In search of the Northern Spotted Owl in Sonoma County each year since 1989,


James M. Berry

Date: May 19, 2010
Reference: THP #1-08-025 SON
Willig Gulch THP—request for Technical Assistance

Calfire
NSO Technician
135 Ridgway Ave,
Santa Rosa, CA 95401

Dear Mr. Pape:

The technical assistance from Ken Hoffman of U.S. Fish and Wildlife for determination of NSO Take / No-Take for the above THP was received in 2008 and 2009 and are on file with U.S. Fish and Wildlife and Calfire. Copies of surveys of each calling date in 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009 and 2010 are enclosed. The 81 acre THP is entirely selective and partly in the Coast Zone within Special Treatment Area Rules. The NSO data base and vegetative maps, 2 aerial photos (one for Calfire showing the THP location and vegetation) and tables for 4 potential NSO areas were enclosed with the 2009 packet. They include 27 calls plus four in 2010. Calls included in two previous TA's are 5/24/01, 6/9/01, 6/29/01, 7/6/02 7/19/02, 7/24/02, 3/6/03, 4/10/03, 5/25/03, 6/20/04, 7/11/04, 7/21/04, 4/13/05, 6/11/05, 7/15/05, 3/15/06, 4/18/06, 5/20/06, 7/7/07, 7/14/07, 7/21/07, 4/10/08, 4/26/08, 5/16/08, 3/20/09, 5/16/09, 5/25/09, 3/17/10, 4/1/10, 4/16/10, 5/11/10. Enclosed are four additional 2010 calls which include confirmation of the historic 0068 NSO Activity Center. This Activity Center is The Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Phone calls may be directed to Jim Berry at (707) 632-5280.

In search of the Northern Spotted Owl in Sonoma County each year since 1989,

James M. Berry

Date: April 30, 2011

Reference: THP #1-08-025 SON
Willig Gulch THP

Wendy Snyder
Calfire NSO Consultation
135 Ridgway Ave.
Santa Rosa, CA 95401

Dear Calfire:

We would like to request technical assistance for determination of NSO Take / No-Take for the above THP for the year 2011. Enclosed are the calls for 2011 and comprise another check call to make sure there is no new nesting activity. All previous NSO data are on file with Calfire and U. S. Fish and Wildlife. U.S. Fish and Wildlife has provided technical assistance for the years 2008, 2009 and 2010 for THP 1-08-025 SON. Twenty-five previous calls by Mike Allred and Jim Berry are on file with Calfire and U.S. Fish and Wildlife. Please forward this letter and updated data at your earliest convenience to the appropriate technician at U.S. Fish and Wildlife, 1655 Heindon, Arcata, CA 95521 or FAX 822-8411 tel:707-822-7201.

There continues to be three NSO territories within 1.3 miles of the THP as shown on the Willig Gulch THP habitat map. Attempts to locate NSO 0049 have been unsuccessful. Only NSO 0068 is within this watershed and the female has been confirmed using the same activity center if not the same nesting or central roosting tree in 2010 but not so far in 2011. No activity within THP 1-08-025 SON has been detected in 2011. Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Normal protocol also includes a TAC letter to the Resource Manager for CDF in Region 1. Phone calls may be directed to (707) 632-5280 or email jim@cazaderowaterco.com,

In search of the Northern Spotted Owl each year since 1989

James M. Berry

2011

U. S. Fish and Wildlife

Quad Name Cazadero 7.5 Min X

SPOTTED OWL FIELD SURVEY

HABITAT TYPE : Douglas Fir, Oregon White Oak, Tanoak, laurel, madrone, maple, manzanita, poison oak

LANDOWNER Grider (Dry Hollow) THP# 1-04-040 SON DFG TERRITORY NO. None known

GENERAL LOCATION East Cazadero COUNTY Sonoma T-8N R- 11W SECS. 15, 16

DATE @ START 8/8/2002 CALL # 1 OBSERVERS Jim Berry and Bonny

START TIME (2400 clock): 2128 END TIME: 2250 TOTAL TIME: 82

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|---|--|--|
| 2400 clock | | | | |
| 2128 | barrow pit on ridge road | P | N/A | NO NSO RESPONSE |
| 2205 | Redwood landing | P | N/A | NO NSO RESPONSE -Donny's dogs |
| 2104 | Buckhorn | P | N/A | NO NSO RESPONSE -hound and crickets |
| 2305 | Dry Hollow | P | N/A | NO NSO RESPONSE - |
| 2240 | Screech at Buckhorn | P | O sex unknown | No vocal response but sighted- not in THP |
| 2300 | sawwhett at Dry Hollow in rd. | P | O sex unknown | Sighted-not in THP |

OBSERVERS: Jim Berry and Bonny DATE @ START 8/19/2002 Call # 2

START TIME (2400 clock): 2138 END TIME: 2148 TOTAL TIME: 70

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|--|--|
| 2400 CLOCK | | | | |
| 2138 | barrow pit on ridge road | P | V male voice call | NSO response from 1200'south through sound of dogs generator, plane, crickets |
| 2153 | Redwood landing | P | V male voice call | NSO response from same spot |
| 2208 | Dry Hollow | P | V male voice call | NSO response with 10 minute voice call |
| 2218 | Oregon oak saddle at gate to sunrise | P | N/A | NO NSO RESPONSE |
| 2138 | back to dry hollow | P | N/A | NO NSO RESPONSE |

DATE @ START 8/28/2004 CALL # 3 OBSERVERS Jim Berry and Bonny

START TIME (2400 clock): 2048 END TIME: 2155 TOTAL TIME: 67

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|--|--|
| 2400 CLOCK | | | | |
| 2048 | barrow pit on ridge | P | N/A | NO NSO RESPONSE- 60 degrees F |
| 2103 | redwood landing | P | N/A | NO NSO RESPONSE- crickets loud |
| 2119 | buckhorn | P | N/A | NO NSO RESPONSE- crickets loud |
| 2145 | dry hollow | P | N/A | NO NSO RESPONSE- crickets loud |

U.S. FISH AND WILDLIFE
SPOTTED OWL FIELD SURVEY

Quad Name Cazadero 7.5 Min X

HABITAT TYPE: Redwood, Douglas Fir, Oregon White Oak, Tanoak, laurel, madrone, maple, poison oak, ferns (bracken, maidenhair, sword), bedstraw

LANDOWNER Grider (Dry Hollow) THP# 1-04-040 SON DFG TERRITORY NO. None known

GENERAL LOCATION East Cazadero COUNTY Sonoma T-8N R- 11W SECS. 15, 16

DATE @ START 4/12/2003 CALL # 4 OBSERVERS Jim Berry

START TIME (2400 clock): 2015 END TIME: 2102 TOTAL TIME: 47

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no Full moon

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|--|--|
| 2400 clock | | | | |
| 2015 | Redwood landing | P | N/A | NO NSO RESPONSE |
| 2031 | barrow pit on ridge road | P | N/A | NO NSO RESPONSE |
| 2052 | Dry Hollow Landing sawwhet at Dry Hollow in rd. | P | N/A | NO NSO RESPONSE Pygmy at 300' east and unrelated sharp harsh sound from north |

OBSERVERS: Jim Berry CALL # 5 DATE @ START 5/12/2003
START TIME (2400 clock): 2056 END TIME: 2151 TOTAL TIME: 57

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|--|--|
| 2400 CLOCK | | | | |
| 2056 | barrow pit on ridge road | P | N/A | No NSO Response-- Screech stopped when NSO call started--coyotes to north |
| 2117 | Redwood landing | P | N/A | No NSO Response-- Tree frogs, East Austin Creek, jet sound--Sawwhet to northeast and down towards E. Austin |
| 2141 | Dry Hollow | P | N/A | No NSO Response----Screech and Sawwhet called at 2142 but sawwhet kept going to SW where NSO was on call #2. |

DATE @ START May 21, 2003 CALL # 6 OBSERVERS Jim Berry
START TIME (2400 clock): 2100 END TIME: 2156 TOTAL TIME: 56

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze No moon

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|--|--|
| 2400 CLOCK | | | | |
| 2100 | barrow pit on ridge | P | N/A | NO NSO RESPONSE- 67 degrees F Screech at 2102 |
| 2114 | redwood landing | P | N/A | NO NSO RESPONSE- 63 degrees F |
| 2146 | dry hollow | P | N/A | NO NSO RESPONSE- 59 degrees F Pygmy at 2150, one call in Oregon oaks to south |

Date: April 29, 2013

Reference: Willig Gulch THP 1-08-025 SON

Bill Mc Iver
USFWS NSO Technician
1655 Heindon
Arcata, CA 95521

Dear Mr. Mc Iver::

We would like to request technical assistance for determination of NSO Take / No-Take for the above THP for the year 2013. This THP is under a 2 year extension until 2014. This AC has been monitored since 1992 after documentation by Ted Wooster. This THP is a selective harvest, the same as all THP's on Sheephouse Creek since 1965. Enclosed are the calls for 2013 and comprise another 3 check calls to determine NSO presence and activity within the THP and watershed. Also enclosed are CNDDDB data for NSO 16 April 2013. All previous NSO data are on file with Calfire and U. S. Fish and Wildlife. U.S. Fish and Wildlife has provided technical assistance for the years 2008, 2009, 2010, 2011 and 2012 for Willig Gulch THP. Thirty-one previous calls by Mike Allred and Jim Berry are on file with Calfire and U.S. Fish and Wildlife. Please forward this letter and your response to Wendy Snyder at 135 Ridgway, Santa Rosa, CA 95401.

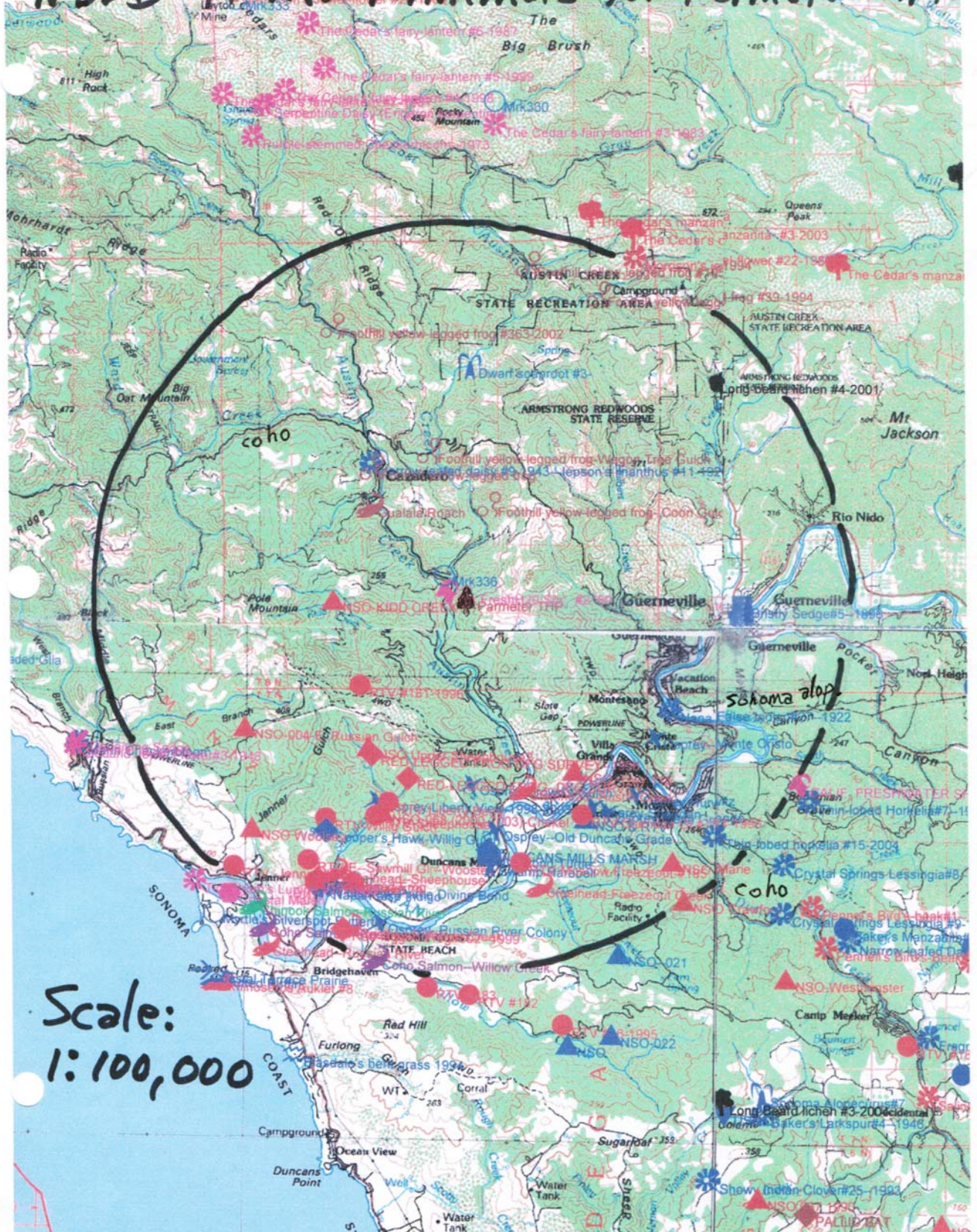
The calls for 2013 comprise a "spot check". Spot check dates are: 3/3/13, 4/2/13, 4/15/13. No NSO response on any of these dates. There continues to be three NSO territories on file within 1.3 miles as shown on the Willig Gulch THP habitat map. Included is NSO database data, run date: 16 April 2013. Attempts to locate NSO 0049 have been unsuccessful and this Activity Center is doubtful as shown and has likely been moved or abandoned. The 0068 female has been confirmed using the same activity center if not the same nesting or central roosting tree in 2010 but not in 2011 or 2012. There has been no Barred owl detections to date near any of these AC's or on Sheephouse Creek.

Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Normal protocol also includes a TAC letter to the Resource Manager for CDF in Region 1. Phone calls may be directed to (707) 632-5280 or email jim@cazaderowaterco.com,

In search of the Northern Spotted Owl each year since 1989

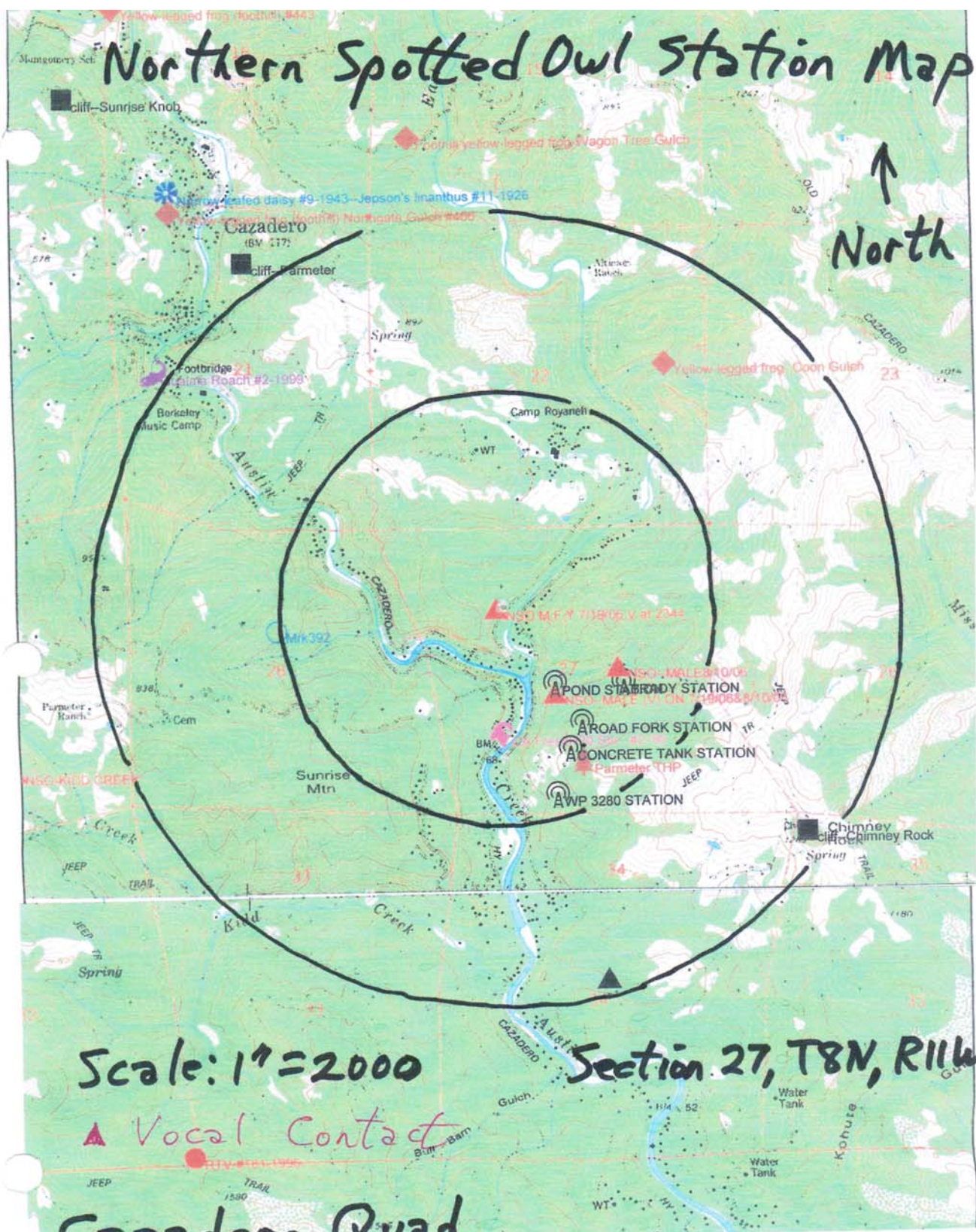
James M. Berry

NDDB Plants & Animals for Parameter THP



Northern Spotted Owl Station Map

↑
North

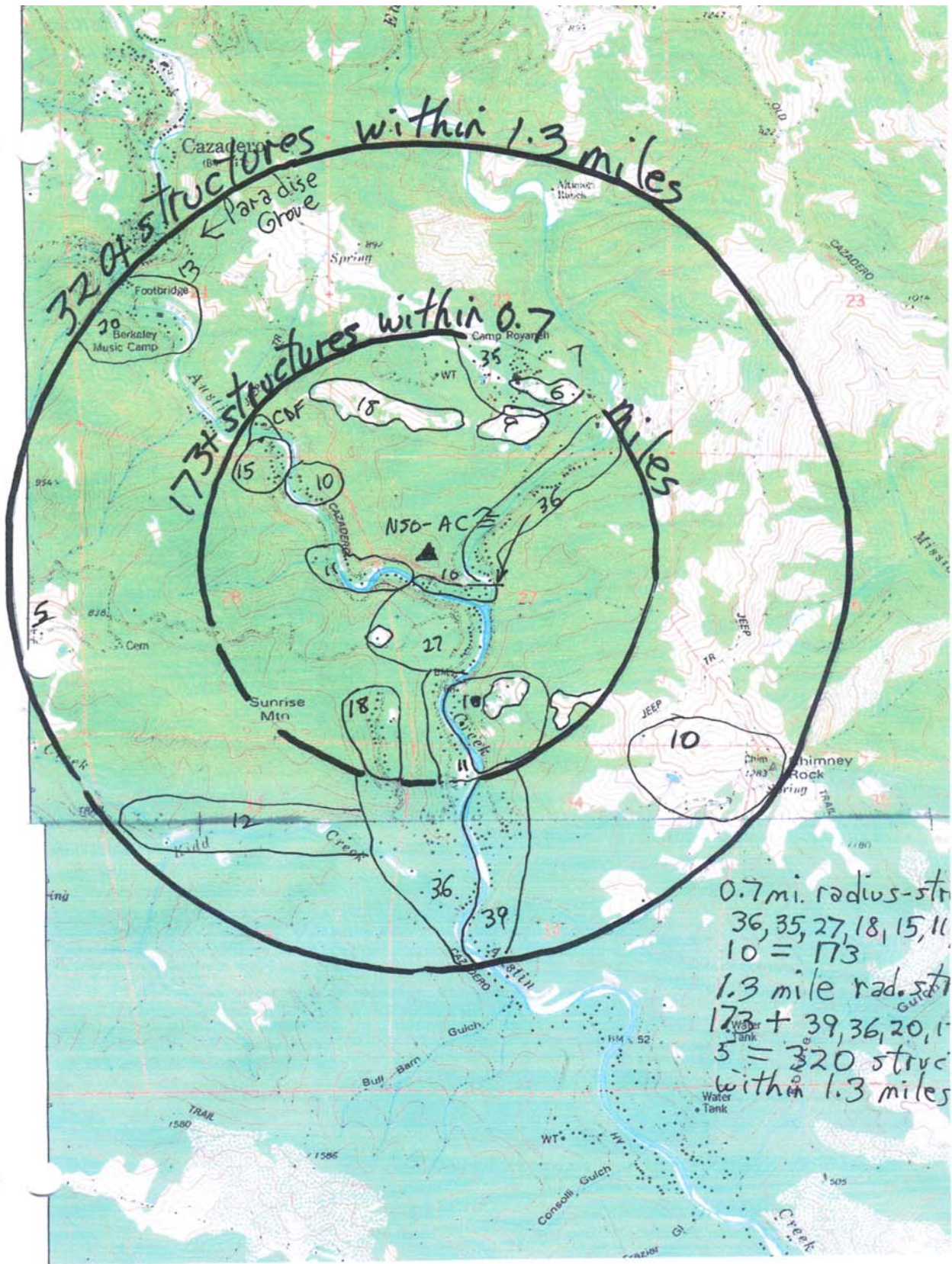


Scale: 1" = 2000

Section 27, T8N, R11W

▲ Vocal Contact

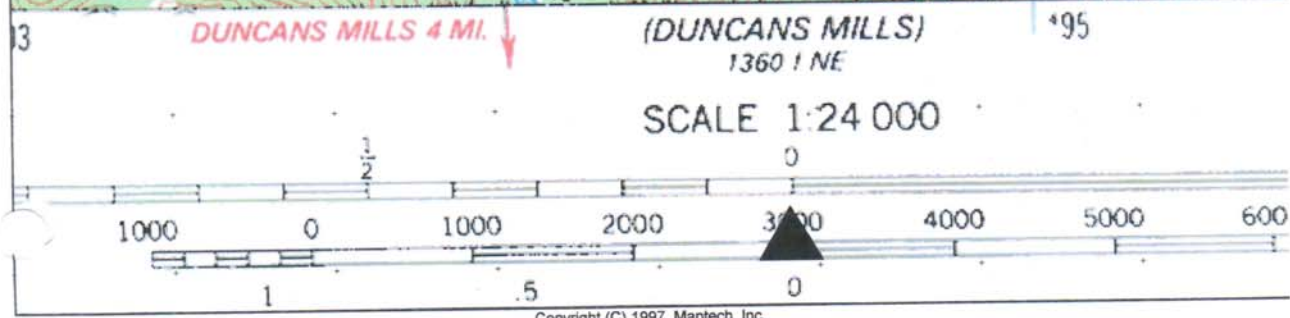
Cazadero Quad.



320 structures within 1.3 miles

173 structures within 0.7 miles

0.7 mi. radius - str
 36, 35, 27, 18, 15, 11
 10 = 173
 1.3 mile rad. str
 173 + 39, 36, 20, 1
 5 = 320 struc
 within 1.3 miles



NORTHERN SPOTTED OWL SURVEY-PARMETER 2001, Calls 1,2,3

LANDOWNER Parmeter THP#1-13-077 SON DFG TERRITORY NO. SON 0061 OBSERVERS Mike Allred, Brady Parmeter, Jim Berry

CALL # 1 GENERAL LOCATION SE of intersection of Big Austin and East Austin Quad Name Cazadero (7.5 Min & NAD 27)

COUNTY Sonoma T- 8N R- 11W SECS. 27

DATE @ START 26 March 2001 START TIME (2400 clock): 1938 END TIME: 2113 TOTAL TIME: 95

HABITAT: WHR 4d & 5d Tanoak, Madrone Rwd, Doug. Fir

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|-----------------------|--|--|--|--|
| 1938 | Station A below John's | P | N/A | NO NSO RESPONSE Chambers dog |
| 2007 | Station B Concrete Tank | p | | NO NSO RESPONSE Redwood clumps |
| 2022 | Station C Road fork | p | | NO NSO RESPONSE |
| 2037 | Station D Rocky point | p | | NO NSO RESPONSE |
| 2103 | Station E Opposite Austin Dell | p | | NO NSO RESPONSE |

DATE @ START 17 April 2001 CALL # 2 OBSERVERS Mike Allred

START TIME (2400 clock): 2000 END TIME: 2125 TOTAL TIME: 85

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze 50 - 52 degrees

| | | | | |
|------|--------------------------------|---|-----|---------------------------------|
| 2000 | Station A below John's | P | N/A | NO NSO RESPONSE Dog, Saw Whet |
| 2016 | Station B Concrete Tank | p | | NO NSO RESPONSE Stars out |
| 2030 | Station C Road fork | p | | NO NSO RESPONSE Stars out |
| 2044 | Station D Rocky point | p | | NO NSO RESPONSE Stars, Saw Whet |
| 2115 | Station E Opposite Austin Dell | p | | NO NSO RESPONSE Stars, Frogs |

DATE @ START 19 May 2001 CALL # 3 OBSERVERS Mike Allred

START TIME (2400 clock): 2030 END TIME: 2145 TOTAL TIME: 75

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze 57 - 59 degrees

| | | | | |
|------|--------------------------------|---|-----|-------------------------|
| 2030 | Station A below John's | P | N/A | NO RESPONSE Dog barking |
| 2046 | Station B Concrete Tank | p | | NO RESPONSE |
| 2058 | Station C Road fork | p | | NO RESPONSE |
| 2115 | Station D Rocky point | p | | NO RESPONSE Stars out |
| 2135 | Station E Opposite Austin Dell | p | | NO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY- PARMETER 2002 Calls 4,5,6

LANDOWNER **Parmeter** THP#1-13-077 SON ___ DFG TERRITORY NO. SON 0061 CALL # 4 OBSERVERS Mike Allred,
 GENERAL LOCATION South east of intersection of Big Austin and East Austin Creek COUNTY Sonoma Quad Name Cazadero (7.5 Min
 & NAD 27) T- 8N R- 11W SECS. 27

DATE @ START 12 June 2002 START TIME (2400 clock): 2030 END TIME: 2222 TOTAL TIME: 112

HABITAT=WHR 4d & 5 Rwd, Tanoak, Madrone, Doug. Fir, Huckleberry

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|--|--|---|--|
| 2030 | Station A below John's | P | N/A | NO NSO RESPONSE |
| 2050 | Station B Concrete Tank | p | | NO NSO RESPONSE |
| 2010 | Station C Road fork | p | | NO NSO RESPONSE |
| 2130 | Station D Rocky point | p | | NO NSO RESPONSE dog barking |
| 2145 | Station E Opposite Austin Dell | p | V sex unknown | NO NSO RESPONSE Sawwhet called |
| 2212 | Station F | p | | No NSO RESPONSE Car noise |

DATE @ START 17 April 2002 CALL # 5 OBSERVERS Mike Allred

START TIME (2400 clock): 2040 END TIME: 2220 TOTAL TIME: 100

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no 50 - 52 degrees

| | | | | |
|------|---------------------------|---|-----|-----------------|
| 2040 | Station A below John's | P | N/A | NO NSO RESPONSE |
| 2055 | Station B Concrete Tank | p | | NO NSO RESPONSE |
| 2110 | Station C Road fork | p | | NO NSO RESPONSE |
| 2125 | Station D Rocky point | p | | NO NSO RESPONSE |
| 2140 | Station E Opposite Austin | p | | NO NSO RESPONSE |
| 2210 | Dell Station F | P | | NO NSO RESPONSE |

DATE @ START 19-May 2002 CALL # 6 OBSERVERS Mike Allred

START TIME (2400 clock): 2035 END TIME: 2215 TOTAL TIME: 100

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|---------------------------|---|-----------------|--|
| 2035 | Station A below John's | P | N/A | NO NSO RESPONSE Dog barking |
| 2052 | Station B Concrete Tank | p | | NO NSO RESPONSE |
| 2110 | Station C Road fork | p | | NO NSO RESPONSE |
| 2130 | Station D Rocky point | p | V (sex unknown) | NO NSO RESPONSE Screech Owl |
| 2147 | Station E Opposite Austin | p | | NO NSO RESPONSE frogs noise from pond |
| 2205 | Dell Station F | p | | NO NSO RESPONSE highway noise |

NORTHERN SPOTTED OWL FIELD SURVEY- PARMETER 2003 Calls 7,8,9

LANDOWNER **Parmeter** THP#1-13-077 SON DFG TERRITORY NO. SON 0061 CALL # 7 OBSERVERS Mike Allred

GENERAL LOCATION South east of intersection of Big Austin and EastAustin COUNTY Sonoma
 Quad Name Cazadero (7.5 Min & NAD 27) T- 8N R- 11W SECS. 27

DATE @ START 8 July 2003 START TIME (2400 clock): 2105 END TIME: 2240 TOTAL TIME: 95

HABITAT=**WHR 4d & 5 Rwd, Tanoak, Madrone, Doug. Fir, Huckleberry**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|--|--|---|--|
| 2400 clock | | | | |
| 2105 | Station A below John's | P | N/A | NO NSO RESPONSE |
| 2120 | Station B Concrete Tank | p | | NO NSO RESPONSE |
| 2140 | Station C Road fork | p | | NO NSO RESPONSE |
| 2210 | Station D Rocky point | p | | NO NSO RESPONSE dog barking |
| 2230 | Station E Opposite Austin Dell | p | V sex unknown | NO NSO RESPONSE Sawwhet called |

DATE @ START 22 July 2003 CALL # 8 OBSERVERS Mike Allred

START TIME (2400 clock): 2040 END TIME: 2150 TOTAL TIME: 70

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no 50 - 52 degrees

| | | | | |
|------|--------------------------------|---|-----|-----------------|
| 2040 | Station A below John's | P | N/A | NO NSO RESPONSE |
| 2055 | Station B Concrete Tank | p | | NO NSO RESPONSE |
| 2110 | Station C Road fork | p | | NO NSO RESPONSE |
| 2125 | Station D Rocky point | p | | NO NSO RESPONSE |
| 2140 | Station E Opposite Austin Dell | p | | NO NSO RESPONSE |

DATE @ START 3 August 2003 CALL # 9 OBSERVERS Mike Allred

START TIME (2400 clock): 2035 END TIME: 2157 TOTAL TIME: 82

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|--------------------------------|---|-----------------|---------------------------------------|
| 2035 | Station A below John's | P | N/A | NO NSO RESPONSE Dog barking |
| 2052 | Station B Concrete Tank | p | | NO NSO RESPONSE |
| 2110 | Station C Road fork | p | | NO NSO RESPONSE |
| 2130 | Station D Rocky point | p | V (sex unknown) | NO NSO RESPONSE Screech Owl |
| 2147 | Station E Opposite Austin Dell | p | | NO NSO RESPONSE frogs noise from pond |

NORTHERN SPOTTED OWL FIELD SURVEY- PARMETER 2004 Calls 10,11,12

LANDOWNER Parmeter THP#1-13-077 SON DFG TERRITORY NO. SON 0061 CALL # 10 OBSERVERS Mike Allred

GENERAL LOCATION South east of intersection of Big Austin and East Austin COUNTY Sonoma Quad Name Cazadero (7.5 Min & Nad 27) T- 8N R- 11W SECS. 27

DATE @ START 11 August 2004 START TIME (2400 clock): 1930 END TIME: 2115 TOTAL TIME: 105

HABITAT=WHR 4d Tanoak, Madrone Rwd, Doug. Fir

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 1930 | Station A below John's | P | N/A | NO NSO RESPONSE Screech Owl 60 degrees |
| 1945 | Station B Concrete Tank | p | | NO NSO RESPONSE |
| 2004 | Station C Road fork | p | | NO NSO RESPONSE |
| 2030 | Station D Rocky point | p | | NO NSO RESPONSE |
| 2151 | Station E Opposite Austin Dell | p (pond) | V | NO NSO RESPONSE |
| 2105 | Station F | p | | NO NSO RESPONSE frog noise NO NSO RESPONSE |

DATE @ START 23 August 2004 CALL # 11 OBSERVERS Mike Allred

START TIME (2400 clock): 1935 END TIME: 2130 TOTAL TIME: 85

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no **50 - 52 degrees**

| | | | | |
|------|--------------------------------|----------|-----|-----------------------------|
| 1935 | Station A below John's | P | N/A | NO NSO RESPONSE Road Noise |
| 2005 | Station B Concrete Tank | p | | NO NSO RESPONSE barking dog |
| 2030 | Station C Road fork | p | | NO NSO RESPONSE |
| 2050 | Station D Rocky point | p | | NO NSO RESPONSE Screech Owl |
| 2107 | Station E Opposite Austin Dell | p (pond) | | NO NSO RESPONSE |
| 2120 | Station F | p | | NO NSO RESPONSE |

DATE @ START 30 August 2004 CALL # 12 OBSERVERS Mike Allred

START TIME (2400 clock): 1945 END TIME: 2136 TOTAL TIME: 111

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|--------------------------------|---|-----|---|
| 1945 | Station A below John's | P | N/A | NO NSO RESPONSE |
| 2005 | Station B Concrete Tank | p | | NO NSO RESPONSE John's Dog |
| 2025 | Station C Road fork | p | | barking NO NSO RESPONSE East |
| 2045 | Station D Rocky point | p | | Austin noise |
| 2100 | Station E Opposite Austin Dell | p | | NO NSO RESPONSE |
| 2126 | Station F | p | | NO NSO RESPONSE frog noise from pond NO NSO RESPONSE road noise 58 degrees |

NORTHERN SPOTTED OWL FIELD SURVEY- PARMETER 2006 Calls 13,14,15

LANDOWNER Parmeter THP#1-13-077 SON DFG TERRITORY NO. SON 0061 CALL # 13 OBSERVERS Jim Berry

GENERAL LOCATION South east of intersection of Big Austin and East Austin COUNTY Sonoma Quad Name Cazadero (7.5 Min & Nad 27) T- 8N R- 11W SECS. 27

DATE @ START 19 July 2006 START TIME (2400 clock): 2200 END TIME: 0014 TOTAL TIME: 134

HABITAT=WHR 4d & 5 Rwd, Tanoak, Madrone, Doug. Fir, Huckleberry

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2200 | George and Lois house | P | N/A | NO NSO RESPONSE Cazadero Hwy. 69 F |
| 2215 | WP 3280 | p | | NO NSO RESPONSE Cazadero Hwy. 66 F |
| 2228 | Field below John | p | V | NO NSO RESPONSE Great horned owl 67 F |
| 2251 | Concrete Tank | p | | NO NSO RESPONSE |
| 2306 | Brady | p (pond) | | NO NSO RESPONSE frogs |
| 2324 | Indian Rock | p | | NO NSO RESPONSE LOUD CRICKETS |
| 2339 | Frog Pond across from Austin Dell | p | V | MALE NSO RESPONSE NINE CALLS |
| 0004 | OFF THP ON CAMP ROYANEH | P | V | MALE, FEMALE, FLEDGLING WHISTLE Lat.38.5113217 Long.123.0690143 |

DATE @ START 2 August 2006 CALL # 14 OBSERVERS AND VOICE CALLERS Jim Berry and Kaity Berry

START TIME (2400 clock): 2205 END TIME: 2335 TOTAL TIME: 90 Night of the dog

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 59-63 degrees F

| | | | | |
|------|-------------------------|----------|-----|--|
| 2205 | WP 3280 (Willie'S Fork) | P | N/A | NO NSO RESPONSE dog screaming 63 degrees F |
| 2224 | Concrete Tank | p | | NO NSO RESPONSE 61 degrees F |
| 2238 | Road fork | p | | NO NSO RESPONSE 60 degrees F |
| 2249 | Rocky point | p | | NO NSO RESPONSE Same dog screaming |
| 2305 | washout below tiny pond | p (pond) | | NO NSO RESPONSE Crickets |
| 2325 | | | | NO NSO RESPONSE coyotes, teens, Caz. Hwy. |

DATE @ START 10 August 2006 CALL # 15 OBSERVERS Jim Berry AND KAITTY BERRY (NSO's since 1997)

START TIME (2400 clock): 2122 END TIME: 2300 TOTAL TIME: 108

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze 60-72 degrees

| | | | | |
|------|--------------------------------|---|-----|--|
| 2122 | Station A Willie's fork | P | N/A | NO NSO RESPONSE 72 degrees loud crickets and barking dog |
| 2141 | Station B Concrete Tank | p | | NO NSO RESPONSE John's Dog screaming |
| 2155 | Station C Road fork | p | V | MALE NSO RESPONSE AT 2200 68 F |
| 2209 | Station D Panoramic point | p | | NO NSO RESPONSE 60 degrees NSO RESPONSE Kaity talked to NSO for 10 minutes. He was in rwd. clump above dump truck in rock pit. Will confirm Royaneh location again |
| 2250 | Station E Opposite Austin Dell | | | |

NORTHERN SPOTTED OWL FIELD SURVEY-PARMETER 2007 Calls 16,17,18

LANDOWNER **Parmeter** THP#1-13-077 SON CALL # **16** DFG TERRITORY NO. **SON 0061** OBSERVERS **Jim Berry**

GENERAL LOCATION **South east of intersection of Big Austin and East Austin** COUNTY **Sonoma** Quad Name **Cazadero** (7.5 Min & Nad 27) T- **8N** R- **11W** SECS. **27**

DATE @ START **12 July 2007** START TIME (2400 clock): **2203** END TIME: **0010** TOTAL TIME: **127**

HABITAT=**WHR 4d & 5d Tanoak, Madrone Rwd, Doug. Fir**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2203 | Small field along John Parmeter's road | P | | No NSO Response John's barking dog |
| 2219 | concrete tank | P | | No NSO Response |
| 2234 | Small Pond across from Austin Dell | P | | No NSO Response |
| 0000 | OFF THP ON CAMP ROYANEH AT FORK OF AUSTIN CREEK | | | No NSO Response AT 2006 ACTIVITY CENTER |

DATE @ START **2 August 2007** CALL # **17** OBSERVERS AND VOICE CALLERS **Jim Berry and Kaity Berry**

START TIME (2400 clock): _____ END TIME: _____ TOTAL TIME: **N?A**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no **59-63** F

| | | | | |
|-----|---|------------------------------|---------------------------------|---|
| N/A | WP 3280 (Willie'S Fork) Concrete Tank Road fork Rocky point washout below tiny pond | P p p p p (pond) | N/A N/A N/A N/A N/A | Call aborted at pond opposite 2006 Activity Center due to near proximity of Great Horned Owl. |
|-----|---|------------------------------|---------------------------------|---|

DATE @ START **10 August 2007** CALL # **18** OBSERVERS **Jim Berry AND KAITY BERRY (NSO's since 1997)**

START TIME (2400 clock): _____ END TIME: _____ TOTAL TIME: _____

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze 60-72 degrees

| | | | | |
|---|--|-----------------------|---------------------------------|---|
| N/A Great Horned predation risk | Station A Willie's fork Station B Concrete Tank Station C Road fork Station D Panoramic point Station E Opposite Austin Dell | P p p p p | N/A N/A N/A N/A N/A | Calls aborted due to near proximity (to 2006 Activity Center (Great Horned Owl) |
|---|--|-----------------------|---------------------------------|---|

NORTHERN SPOTTED OWL FIELD SURVEY-PARMETER 2008 Calls 19,20,21

LANDOWNER **Parmeter** THP#1-13-077 SON CALL # **19** OBSERVERS **Jim Berry** DFG TERRITORY NO. **SON 0061**

GENERAL LOCATION **South east of intersection of Big Austin and East Austin** COUNTY **Sonoma** Quad Name **Cazadero** (7.5 Min & Nad 27) T- **8N** R- **11W** SECS. **27**

Start Date: 19 August 2008 START TIME (2400 clock): **2121** END TIME: **2223** TOTAL TIME: **62**

HABITAT=**WHR 4d &5d Tanoak, Madrone Rwd, Doug. Fir**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no **Warm night**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2121 | Small Pond across from Austin Dell | P | N/A | No NSO Response Screech Owl pair heard near former NSO Activity Center |
| 2135 | Road fork near concrete tank | p | | No NSO Response |
| 2149 | Brady's house | p | | No NSO Response |
| 2213 | Field below John | p | | No NSO Response |

DATE @ START **26 August 2008** CALL # **20** OBSERVERS AND VOICE CALLERS **Jim Berry**

START TIME (2400 clock): **2045** END TIME: **2149** TOTAL TIME: **64**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no **Warm night**

| | | | | |
|------|------------------------------------|---|-----|---------------------------------|
| 2045 | Small Pond across from Austin Dell | P | N/A | No NSO Response |
| 2059 | Road fork near concrete tank | p | | No NSO Response screech called |
| 2116 | Brady's house | p | | No NSO Response screech at 2126 |
| 2139 | Field below John | p | | No NSO Response Caz. Hwy.noise |

DATE @ START **31 August 2008** CALL # **21** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2119** END TIME: **2238** TOTAL TIME: **79**

WEATHER: (bold) **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold) **calm** breeze 60-72 F **warm night**

| | | | | |
|------|------------------------------------|--------|-----|-----------------|
| 2119 | Small Pond across from Austin Dell | P | N/A | No NSO Response |
| 2041 | Road fork near concrete tank | p p | | No NSO Response |
| 2205 | Brady's tank | p | | No NSO Response |
| 2228 | Field below John | | | No NSO Response |

NORTHERN SPOTTED OWL FIELD SURVEY-PARMETER 2009 Calls 22,23,24

LANDOWNER Parmeter THP#1-13-077 SON DFG TERRITORY NO. SON Rovaneh Lat. 38.5113217 Long. 123.0690143 CALL # 22 OBSERVERS Jim Berry

GENERAL LOCATION South east of intersection of Big Austin and East Austin COUNTY Sonoma Quad Name Cazadero (7.5 Min & Nad 27) T- 8N R- 11W SECS. 27

DATE @ START 19 April 2009 START TIME (2400 clock): 2039 END TIME: 2140 TOTAL TIME: 61

HABITAT=WHR 4d & 5d Tanoak, Madrone, Rwd, Doug. Fir

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no Warm night

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2039 | Field below John Parmeter | P | N/A | No NSO Response Screech Owl multiple call and fox at 2047 |
| 2057 | Small Pond across from Austin Dell | p | V male | Male NSO Response—at least 6-- 3 note calls from Sunrise Mtn. then closer--- frogs loud |
| 2115 | Road fork near concrete tank Brady's house | P | | No NSO Response--screech owl at 2117 and distant dogs |
| 2130 | Indian view rock | P | | No NSO Response--Screech, sawwhet and Pygmy calling in same minute--Screech owl very persistent |

DATE @ START 22 June 2009 CALL # 23 OBSERVERS AND VOICE CALLERS Jim Berry

START TIME (2400 clock): 2135 END TIME: 2256 TOTAL TIME: 81

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no Warm night

| | | | | |
|------|------------------------------------|---|-----|--|
| 2135 | Field below John | P | N/A | No NSO Response Screech Owl pair called for 7 minutes non stop |
| 2200 | Small Pond across from Austin Dell | p | | No NSO Response Frogs, Boy Scout Camp Royaneh taps, Screech owl for last 2 minutes |
| 2114 | Road fork near concrete tank | p | | No NSO Response |
| 2230 | Brady | P | | No NSO Response--constant Screech calls and boy scout shouts and claps--Caz. Hwy. and bullfrog |
| 2246 | View---Echo Rock | P | | NO NSO RESPONSE--3 Screech owls, Brady's frogs |

DATE @ START 27 August 2009 CALL # 24 OBSERVERS Jim Berry

START TIME (2400 clock): 2030 END TIME: 2143 TOTAL TIME: 73

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze 60-72 degrees

| | | | | |
|------|------------------------------------|---|---|---|
| 2030 | Field below John | P | V | Male NSO Response from Sunrise Mtn. At least 1/4 mile away |
| 2049 | Small Pond across from Austin Dell | p | V | Female NSO Response at 2053 from above East Austin Creek Road |
| 2104 | Road fork near concrete tank | p | | No NSO Response distant dogs |
| 2117 | Brady | p | | No NSO Response-- screech owl pair at 2119 kept calling |
| 2133 | View---Echo Rock | P | | No NSO Response 2 more Screech owls called each time Jim called but not as upset as last time |

NORTHERN SPOTTED OWL FIELD SURVEY-PARMETER 2010 Calls 25,26,27

LANDOWNER Parmeter THP#1-13-077 SON DFG TERRITORY NO. SON 0061 SON Rovaneh Lat. 38.5113217 Long. 123.0690143
 (one year only) CALL # 25 OBSERVERS Jim Berry

Big Austin and East Austin COUNTY Sonoma Quad Name Cazadero (7.5 Min & Nad 27) T- 8N R- 11W SECS. 27
 GENERAL LOCATION South east of intersection o

DATE @ START 15 April 2010 START TIME (2400 clock): 2046 END TIME: 2201 TOTAL TIME: 61

HABITAT=WHR 4d &5d Tanoak, Madrone, Rwd, Doug. Fir

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no **Warm night**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2046 | Field below John | P | N/A | No NSO Response |
| 2105 | Small Pond across from Austin Dell | p | N/A | No NSO Response |
| 2122 | Road fork near concrete tank | p | N/a | No NSO Response tree frogs croaking, creeks and Caz. Hwy. |
| 2137 | Brady's house | P | N/a | No NSO Response |
| 2151 | Indian view rock | | N/A | No NSO Response |

DATE @ START 29 April 2010 CALL # 26 OBSERVERS AND VOICE CALLERS Jim Berry

START TIME (2400 clock): 2059 END TIME: 2210 TOTAL TIME: 73

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no **Warm night**

| | | | | |
|------|------------------------------------|---|-----|-----------------------------------|
| 2059 | Field below John | P | N/A | No NSO Response |
| 2117 | Small Pond across from Austin Dell | p | | No NSO Response Frogs, pond frogs |
| 2132 | Road fork near concrete tank | p | | No NSO Response |
| 2246 | Brady | P | | No NSO Response tree frogs |
| 2200 | View---Echo Rock | P | | No NSO Response |

DATE @ START 15 August 2010 CALL # 27 OBSERVERS Jim Berry

START TIME (2400 clock): 2145 END TIME: 2307 TOTAL TIME: 82

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|------------------------------------|---|-----|--|
| 2145 | Field below John | P | N/A | No NSO Response 4 Great Horned owl calls |
| 2210 | Small Pond across from Austin Dell | p | | No NSO Response Screech owl at 2218 |
| 2225 | Road fork near concrete tank | p | | No NSO Response Screech called twice |
| 2243 | Brady | p | | No NSO Response Screech called continuously |
| 2257 | View---Echo Rock | P | | No NSO Response--one screech owl squawk |

NORTHERN SPOTTED OWL FIELD SURVEY-PARMETER 2011 Calls 28,29,30

LANDOWNER Parmeter THP#1-13-077 SON DFG TERRITORY NO. SON 0061 SON Rovaneh Lat. 38.5113217 Long. 123.0690143 Pending CALL # 28 OBSERVERS Jim Berry

Big Austin and East Austin COUNTY Sonoma Quad Name Cazadero (7.5 Min & Nad 27) T- 8N R- 11W SECS. 27 GENERAL LOCATION South east of intersection o

DATE @ START 11 May 2011 START TIME (2400 clock): 2232 END TIME: 2339 TOTAL TIME: 67

HABITAT= Rwd. Coast, **WHR 4d & 5d** Tanoak, Madrone, Rwd, Doug, Fir

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2232 | Field below John | P | N/A | No NSO Response |
| 2248 | Small Pond across from Austin Dell | p | N/A | No NSO Response |
| 2302 | Road fork near concrete tank | p | N/a | No NSO Response Sawwhett called 2305 |
| 2316 | Brady's house | P | N/a | No NSO Response-Screech called 2320 to 2323 |
| 2329 | Indian view rock | P | N/A | No NSO Response |

DATE @ START 2 July 2011 CALL # 29 OBSERVERS AND VOICE CALLERS Jim Berry

START TIME (2400 clock): 2241 END TIME: 2210 TOTAL TIME: 79

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|------------------------------------|---|--|---|
| 2241 | Field below John | P | | No NSO Response Cazadero Hwy. Noise |
| 2117 | Small Pond across from Austin Dell | p | | No NSO Response Frogs, pond frogs-Screech flew over head twice-activity center? |
| 2132 | Road fork near concrete tank | p | | No NSO Response |
| 2246 | Brady | P | | No NSO Response KGO radio at Brady's |
| 2200 | View---Echo Rock | P | | No NSO Response-crickets and distant screech |

DATE @ START 29 July 2011 CALL # 30 OBSERVERS Jim Berry

START TIME (2400 clock): 2208 END TIME: 2317 TOTAL TIME: 79

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|------------------------------------|---|--|---|
| 2208 | Field below John | P | | No NSO Response Screech owl flew over at 2209 and saw at 2211 |
| 2225 | Small Pond across from Austin Dell | p | | No NSO Response |
| 2237 | Road fork near concrete tank | p | | No NSO Response One screech call at 2343 |
| 2251 | Brady | p | | No NSO Response frogs from pond |
| 2307 | View---Echo Rock | P | | No NSO Response crickets and Milky Way |

NORTHERN SPOTTED OWL FIELD SURVEY-PARMETER 2012 Calls 31,32,33

LANDOWNER Parmeter THP#1-13-077 SON DFG TERRITORY NO. SON Royaneh Lat. 38.5113217 Long. 123.0690143 CALL # 31 OBSERVERS Jim Berry

GENERAL LOCATION Big Austin and East Austin COUNTY Sonoma Quad Name Cazadero (7.5 Min. & Nad 27) T- 8N R- 11W SECS. 27

DATE @ START 15 May 2012 START TIME (2400 clock): 2108 END TIME: 2231 TOTAL TIME: 83

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2108 | Field below John | P | (V) | NSO Response male one mile SW (Sunrise Mtn. |
| 2131 | Small Pond across from Austin Dell | p | | No NSO Response |
| 2145 | Road fork near concrete tank | p | | No NSO Response Screech called at 2147 V & O |
| 2159 | Brady's house | P | | No NSO Response-Screech called 2320 to 2323 |
| 2221 | Indian view rock | P | | No NSO Response-Screech V up & down canyon |

DATE @ START 30 June 2012 CALL # 32 OBSERVERS / CALLERS Jim Berry

START TIME (2400 clock): 2225 END TIME: 2339 TOTAL TIME: 74

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|------------------------------------|---|-----|---|
| 2225 | Field below John | P | N/A | No NSO Response Cazadero Hwy. Noise |
| 2141 | Small Pond across from Austin Dell | p | | No NSO Response Frogs, pond frogs-Screech flew over head twice-activity center? |
| 2301 | Road fork near concrete tank | p | | No NSO Response |
| 2315 | Brady | P | | No NSO Response KGO radio at Brady's |
| 2329 | View---Echo Rock | P | | No NSO Response-crickets and distant screech |

DATE @ START 29 August 2012 CALL # 33 OBSERVERS Jim Berry

START TIME (2400 clock): 2124 END TIME: 2230 TOTAL TIME: 66

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|------------------------------------|---|-----|--|
| 2124 | Field below John | P | N/A | No NSO Response coyote at 2126 |
| 2141 | Small Pond across from Austin Dell | p | | No NSO Response crickets and night bugs |
| 2154 | Road fork near concrete tank | p | | No NSO Response One screech call at 2343 |
| 2206 | Brady | p | | No NSO Response Screech at 2212 |
| 2220 | View---Echo Rock | P | | No NSO Response Screech again |

No Technical Assistance requested. THP taken over by RPF Lee Susan in 2012

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2000 CALLS 1,2,3

LANDOWNER **Thompson** THP# **1-06-172 SON** DFG TERRITORY NO. **015** Latitude=**38.5381696N** Longitude=**123.0114449 W** last contacted in 1994) CALL # **1** OBSERVERS **Jim Berry**

GENERAL LOCATION **South of Occidental Rd & one mile east of Occidental** COUNTY **Sonoma** Quad Name **Camp Meeker** (7.5 min. & NAD 27) T- **7N/6N** R- **10W** SECS **1, 2/36**

DATE @ START **5 August 2000** START TIME (2400 clock): **2125** END TIME: **2243** TOTAL TIME: **78**

HABITAT: Doug. Fir, Laurel, sword fern, hazelnut, WHR 4 and 5

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no 60°

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2125 | 1/4 mile from Banks house toward N/W, in gulch | P (A) | N/A | NO NSO RESPONSE Occidental Rd noise, jet, rustling in brush |
| 2143 | On road at packrat nest just before S/E orchard | p (B) | | NO NSO RESPONSE Occidental Rd. noise |
| 2213 | Bottom of orchard below old Banks house | p (C) | | NO NSO RESPONSE Quiet |
| 2233 | Gardner boundary ridge | p (D) | | NO RESPONSE Occidental Rd. noise |

DATE @ START **17 August 2000** CALL # **2** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2120** END TIME: **2231** TOTAL TIME: **71**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no 56°

| | | | | |
|------|-------------------------------------|-------|-----|--|
| 2120 | 1/4 mile NW of Banks house in gulch | P (A) | N/A | NO NSO RESPONSE |
| 2138 | Bottom orchard, near Green Canyon | p (B) | | NO NSO RESPONSE Forked horn or 3 pt. buck in orchard |
| 2204 | Bottom of orch below Banks house | p (C) | | NO NSO RESPONSE rustling in berries |
| 2221 | Gardner boundary ridge | p (D) | | NO RESPONSE |

DATE @ START **24 August 2000** CALL # **3** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2113** END TIME: **2234** TOTAL TIME: **81**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|---|-------|-----|--|
| 2113 | 1/4 mile NW Banks house in gulch | P (A) | N/A | NO RESPONSE Loud cricket |
| 2128 | on road at packrat nest before SE orch. | p (B) | | NO RESPONSE |
| 2143 | Bottom of SE orchard | p | | NO RESPONSE Accord. concert, 3 dogs |
| 2159 | Bottom of Banks orchard | p (C) | | NO RESPONSE Cheers from Salmon Creek Middle School |
| 2224 | Gardner ridge | p (D) | | NO NSO RESPONSE Occidental Rd traffic & high pitched squeaky music |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2001 CALLS 4,5,6

LANDOWNER **Thompson** THP# **1-06-172 SON** DFG TERRITORY NO. **015** Latitude =**38.5381696N** Longitude=**123.0114449 W**
 CALL # **4** OBSERVERS **Jim Berry**

GENERAL LOCATION **South of Occidental Rd & one mile east of Occidental** WHR **4d** **Tanoak, Laurel, Rwd, Doug. Fir 4d & 5d**
 COUNTY **Sonoma** Quad Name **Camp Meeker** (7.5 min. & NAD 27) T- **7N / 6N** R- **10W** SECS. **1, 2 / 36**

DATE @ START **12 March 2001** START TIME (2400 clock): **1904** END TIME: **2206** TOTAL TIME: **182**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|-------------------------------------|-------|-----|------------------------------------|
| 1904 | 1/4 mile N/W of Banks house (gulch) | P (A) | N/A | NO RESPONSE |
| 1926 | Bottom orchard near green car | p (B) | | NO RESPONSE Great Horned pair 2008 |
| 2139 | Bottom of orchard near Banks house | p (C) | | NO RESPONSE Great Horned pair 2149 |
| 2156 | Gardner boundary ridge | p (D) | | NO RESPONSE |

DATE @ START **22 May 2001** CALL # **5** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2108** END TIME: **2235** TOTAL TIME: **84**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no **57°**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2108 | 1/4 mile NW of Banks house | P (A) | N/A | NO RESPONSE 2 calls from Great |
| 2123 | 1000' south of A, on road | p | | Horned Owl |
| 2145 | Bottom of west orchard | p (B) | | NO RESPONSE |
| 2210 | Bottom of middle Banks orchard | p (C) | | NO RESPONSE |
| 2225 | Gardner boundary ridge | p (D) | | NO RESPONSE |

DATE @ START **16 June 2001** CALL # **6** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2127** END TIME: **2053** TOTAL TIME: **86**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2127 | 1/4 mile NW Banks house in gulch | P (A) | N/A | NO RESPONSE Jason's dogs |
| 2142 | 1000' south of A, on road | p | | NO RESPONSE Jason's dogs |
| 2205 | Bottom of west orchard | p (B) | | NO RESPONSE |
| 2023 | Bottom of middle Banks orchard | p (C) | | NO RESPONSE Crickets, plane, dogs |
| 2043 | Gardner ridge | p (D) | | NO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2002 CALLS 7,8,9

LANDOWNER **Thompson** THP# **1-06-172 SON** DFG TERRITORY NO. **015** Latitude=38.5381696N Longitude=123.0114449 W
 CALL # **7** OBSERVERS **Jim Berry**

GENERAL LOCATION **South of Occidental Rd & one mile east of Occidental WHR 4d Tanoak, Laurel, Rwd, Doug. Fir 4d & 5d**
 COUNTY **Sonoma** Quad Name **Camp Meeker (7.5 min. & NAD 27)** T- **7N/6N** R- **10W** SECS. **1, 2 / 36**

DATE @ START **13 June 2002** START TIME (2400 clock): **2128** END TIME: **2306** TOTAL TIME: **98**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2128 | 1/4 mile from Banks house toward N/W, in gulch | P (A) | N/A | NO NSO RESPONSE |
| 2140 | On road at packrat nest just before S/E orchard | p (B) | N?A | NO NSO RESPONSE |
| 2156 | Bottom of west orchrd | p (C) | N/A | NO NSO RESPONSE Great Horned Owl 55 degrees |
| 2233 | Bottom of orchard below old Banks house | p (D) | N/A | NO NSO RESPONSE- slow crickets at 49 degrees |
| 2256 | Gardner boundary ridge | p(E) | N/A | No NSO RESPONSE- Occidental .Rd. Noise |

DATE @ START **26 June 2002** CALL # **8** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2150** END TIME: **2318** TOTAL TIME: **88**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|---|-------|-----|------------------------------------|
| 2150 | 1/4 mile NW of Banks house in gulch 1000' south of A on road | P (A) | N/A | NO NSO RESPONSE |
| 2206 | Bottom orchard, near Green Canyon | p (B) | N/A | NO NSO RESPONSE- Great Horned call |
| 2224 | Bottom of orch below Banks house | p (C) | N/A | NO NSO RESPONSE |
| 2252 | Gardner boundary ridge | p (D) | N/A | NO NSO RESPONSE |
| 2308 | | p (E) | N/A | NO NSO RESPONSE |

DATE @ START **1 August 2002** CALL # **9** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2110** END TIME: **2244** TOTAL TIME: **94**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|--|-------|-----|--|
| 2110 | 1/4 mile NW Banks house in gulch | P (A) | N/A | NO NSO RESPONSE - Dualed with Great Horned Owl for 10 minutes- harsh call of 10 |
| 2134 | on road at packrat nest before SE orchard | p (B) | N/A | NO NSO RESPONSE - 2 nd Great Horned Owl down Salmon Creek- conventional call |
| 2148 | Bottom of SE orchard | p (C) | N/A | NO NSO RESPONSE- crickets and dog |
| 2210 | Bottom of Banks orchard | p (D) | N/A | NO NSO RESPONSE- crickets and dog |
| 2234 | Gardner ridge | p (E) | N/A | NO NSO RESPONSE - plane, dog, road noise |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2003 CALLS 10,11,12

LANDOWNER Thompson THP# 1-06-172 SON DFG TERRITORY NO. 015 CALL # 10 OBSERVERS Jim Berry and Bonny

Latitude = 38.5381696N Longitude = 123.0114449 W GENERAL LOCATION S. of Occidental Rd & one mile east of Occidental
 COUNTY Sonoma Quad Name Camp Meeker (7.5 minute &NAD 27) T- 7N/6N R- 10W SECS. 1, 2 / 36

DATE @ START 9 May 2003 START TIME (2400 clock): 2106 END TIME: 2216 TOTAL TIME: 70

HABITAT: Tanoak, Laurel, Rwd, Doug. Fir WHR 4d & 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 49 degrees

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2106 | 1/4 mile from Banks house toward N/W, in gulch | P (A) | N/A | NO NSO RESPONSE |
| to (rd. block | On road at packrat nest just before S/E orchard | p (B) | N?A | NO NSO RESPONSE dog bark |
| 2140 | Bottom of west orchrd | p (C) | N/A | NO NSO RESPONSE crickets |
| 2150 | Bottom of orchard below old Banks house | p (D) | N/A | NO NSO RESPONSE-high pitched sqawk and crickets |
| 2206 | Gardner boundary ridge | p(E) | N/A | No NSO RESPONSE- Occidental .Rd. Noise |

DATE @ START 9 June 2003 CALL # 11 OBSERVERS Jim Berry

START TIME (2400 clock): 2115 END TIME: 2230 TOTAL TIME: 75

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|--|-------|-----|---|
| 2115 | 1/4 mile NW of Banks house in gulch | P (A) | N/A | NO NSO RESPONSE 57 ° F/ Jason's dog |
| 2127 | 1000' south of A on road | p (B) | N/A | NO NSO RESPONSE- Jason's dog-54°F |
| 2140 | Bottom orchard, near Green Canyon | p (C) | N/A | NO NSO RESPONSE Vince's dog/ crickets- |
| 2204 | Bottom of orch below Banks house | p (D) | N/A | NO NSO RESPONSE crickets -54° F |
| 2220 | Gardner boundary ridge | p (E) | N/A | NO NSO RESPONSE Occidental Rd. noise-56° |

DATE @ START 19 July 2003 CALL # 12 OBSERVERS Jim Berry & Kaity Berry

START TIME (2400 clock): 2127 END TIME: 2237 TOTAL TIME: 70

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|--|-------|-----|--|
| 2127 | 1/4 mile NW Banks house in gulch | P (A) | N/A | NO NSO RESPONSE - 63°F |
| 2140 | on road at packrat nest before SE orchard | p (B) | N/A | NO NSO RESPONSE -59°F |
| 2153 | Bottom of SE orchard | p (C) | N/A | NO NSO RESPONSE- 59°F |
| 2212 | Bottom of Banks orchard | p (D) | N/A | NO NSO RESPONSE- 56°F |
| 2227 | Gardner ridge | p (E) | N/A | NO NSO RESPONSE - Occidental Rd noise |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2004 CALLS 13,14,15

LANDOWNER Thompson THP# 1-06-172 SON DFG TERRITORY NO. 015 CALL # 13 OBSERVERS Jim Berry
Latitude =38.5381696N Longitude=123.0114449 W

GENERAL LOCATION South of Occidental Rd & one mile east of Occidental COUNTY Sonoma Quad Name Camp Meeker (7.5 Min & NAD 27) T- 7N / 6N R- 10W SECS. 1, 2 / 36

DATE @ START 27 July 2004 START TIME (2400 clock): 2146 END TIME: 2256 TOTAL TIME: 70

Habitat: Tanoak, Laurel, Rwd, Doug. Fir WHR 4d & 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2146 | 1/4 mile from Banks house toward N/W, in gulch | P (A) | N/A | NO NSO RESPONSE 56 degrees F |
| 2200 | On road at packrat nest just before S/E orchard | p (B) | N?A | NO NSO RESPONSE 56 degrees F |
| 2213 | Bottom of west orchrd | p (C) | N/A | NO NSO RESPONSE crickets and barking dog |
| 2230 | Bottom of orchard below old Banks house | p (D) | N/A | NO NSO RESPONSE- crickets in ground fog |
| 2246 | Gardner boundary ridge | p(E) | N/A | No NSO RESPONSE- cicadas at all stations |

DATE @ START 25 August 2004 CALL # 14 OBSERVERS Jim Berry

START TIME (2400 clock): 2055 END TIME: 2207 TOTAL TIME: 72

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------------------------------|-------|-----|---|
| 2055 | 1/4 mile NW of Banks house in gulch | P (A) | N/A | NO NSO RESPONSE 69 ° crickets |
| 2108 | 1000' south of A on road | p (B) | N/A | NO NSO RESPONSE- crickets 62 degrees |
| 2121 | Bottom orchard, near Green Canyon | p (C) | N/A | NO NSO RESPONSE Crickets and occidental Rd. |
| 2142 | Bottom of orch below Banks house | p (D) | N/A | NO NSO RESPONSE crickets -61° F |
| 2157 | Gardner boundary ridge | p (E) | N/A | NO NSO RESPONSE Occidental Rd. noise-62 deg. F |

DATE @ START 31 August 2004 CALL # 15 OBSERVERS Jim Berry

START TIME (2400 clock): 2127 END TIME: 2237 TOTAL TIME: 70

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|--|-------|-----|------------------------|
| 2127 | 1/4 mile NW Banks house in gulch | P (A) | N/A | NO NSO RESPONSE - 65°F |
| 2140 | on road at packrat nest before SE orchard | p (B) | N/A | NO NSO RESPONSE -59°F |
| 2153 | Bottom of SE orchard | p (C) | N/A | NO NSO RESPONSE- 59°F |
| 2212 | Bottom of Banks orchard | p (D) | N/A | Toyota engine blew |
| 2227 | Gardner ridge | p (E) | N/A | |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2005 CALLS 16,17,18

LANDOWNER Thompson THP# 1-06-172 SON DFG TERRITORY NO. 015 CALL # 16 OBSERVERS Jim Berry
Latitude =38.5381696N Longitude=123.0114449 W

GENERAL LOCATION South of Occidental Rd & one mile east of Occidenta COUNTY Sonoma Quad Name Camp Meeker
 (7.5 Min X & NAD 27) T- 7N/6N R- 10W SEC. 1, 2/ 36

DATE @ START 26 July 2005 START TIME (2400 clock): 2039 END TIME: 2233 TOTAL TIME: 114

HABITAT: Tanoak, Laurel, Rwd, Doug. Fir WHR 4d & 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2039 | 1/4 mile from Banks house toward N/W, in gulch | P (A) | N/A | NO NSO RESPONSE 54 degrees F Occ. Rd. noise |
| 2106 | On road at packrat nest just before S/E orchard | p (B) | N?A | NO NSO RESPONSE dog barking |
| 2127 | Bottom of west orchrd | p (C) | N/A | NO NSO RESPONSE 54 degrees F NO NSO RESPONSE- 2 dogs and Occ. Rd noise |
| 2155 | Bottom of orchard below old Banks house | p (D) | N/A | No NSO RESPONSE- |
| 2223 | Gardner boundary ridge | p(E) | N/A | |

DATE @ START 15 August 2005 CALL # 17 OBSERVERS Jim Berry

START TIME (2400 clock): 2113 END TIME: 2232 TOTAL TIME: 79

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------------------------------|-------|-----|---|
| 2113 | 1/4 mile NW of Banks house in gulch | P (A) | N/A | NO NSO RESPONSE 54 ° |
| 2126 | 1000' south of A on road | p (B) | N/A | NO NSO RESPONSE- crickets Gr. horned sqwawk |
| 2144 | Bottom orchard, near Green Canyon | p (C) | N/A | NO NSO RESPONSE 7 Great horned.sqwawks +dog |
| 2207 | Bottom of orch below Banks house | p (D) | N/A | NO NSO RESPONSE dog -54° F |
| 2222 | Gardner boundary ridge | p (E) | N/A | NO NSO RESPONSE Occidental Rd. noise-54 deg. F |

DATE @ START 28 August 2005 CALL # 18 OBSERVER Jim Berry

START TIME (2400 clock): 2123 END TIME: 2236 TOTAL TIME: 73

WEATHER (BOLD): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|---|-------|-----|---|
| 2123 | 1/4 mile NW Banks house in gulch | P (A) | N/A | NO NSO RESPONSE - 55°F noise in underbrush |
| 2140 | on road at packrat nest before SE orchard | p (B) | N/A | NO NSO RESPONSE -51°F road and crickets |
| 2153 | Bottom of SE orchard | p (C) | N/A | NO NSO RESPONSE- 51°F 5 Gr. Horned calls south |
| 2211 | Bottom of Banks orchard | p (D) | N/A | NO NSO RESPONSE- 52°F road noise |
| 2226 | Gardner ridge | p (E) | N/A | NO NSO RESPONSE- 60°F |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2006 CALLS 19,20,21

LANDOWNER Thompson THP# 1-06-172 SON DFG TERRITORY NO. 015 CALL # 19 OBSERVERS Jim Berry
Latitude = 38.5381696N Longitude = 123.0114449 W

GENERAL LOCATION South of Occidental Rd & one mile east of Occidenta COUNTY Sonoma Quad Name Camp Meeker (7.5
 Min & NAD 27) T- 7N/6N R- 10W SECS. 1, 2/ 36

DATE @ START 15 February 2006 START TIME (2400 clock): 1942 END TIME: 2051 TOTAL TIME: 69

Habitat: Tanoak, Laurel, Rwd, Doug. Fir WHR 4d & 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 1942 | 1/4 mile from Banks house toward N/W, in gulch | P (A) | N/A | NO NSO RESPONSE 46 degrees F |
| 1954 | On road at packrat nest just before S/E orchard | p (B) | N?A | NO NSO RESPONSE 39 degrees F |
| 2008 | Bottom of west orchrd | p (C) | N/A | NO NSO RESPONSE 37 degrees F road noise |
| 2025 | Bottom of orchard below old Banks house | p (D) | N/A | NO NSO RESPONSE- 38 degrees F Occ. Rd noise |
| 2041 | Gardner boundary ridge | p(E) | N/A | No NSO RESPONSE- 39 degrees |

DATE @ START 7 May 2006 CALL # 20 OBSERVERS Jim Berry

START TIME (2400 clock): 2135 END TIME: 2254 TOTAL TIME: 79

WEATHER (bold): clear cloudy **mist/fog** light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------------------------------|-------|-----|---|
| 2135 | 1/4 mile NW of Banks house in gulch | P (A) | N/A | NO NSO RESPONSE Great Horned owl 300'down Class II in response to NSO call-dive bombed? |
| 2149 | 1000' south of A on road | p (B) | N/A | NO RESPONSE 57 degrees F |
| 2202 | Bottom orchard, near Green Canyon | p (C) | N/A | NO NSO RESPONSE- 48 degrees F Great Horned owl toward Jason's. tree frogs and cold crickets |
| 2223 | Bottom of orch below Banks house | p (D) | N/A | NO NSO RESPONSE Oc.c. road noise 49 degrees F |
| 2244 | Gardner boundary ridge | p (E) | N/A | NO NSO RESPONSE Great Horned owl and dogs-49 deg. F |

DATE @ START 9 July 2006 CALL # 21 OBSERVER Jim Berry Kaity Berry

START TIME (2400 clock): 2154 END TIME: 2314 TOTAL TIME: 80

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze **full moon**

| | | | | |
|------|--|-------|-----|----------------------------------|
| 2154 | 1/4 mile NW Banks house in gulch | P (A) | N/A | NO NSO RESPONSE 57 dgrees F. |
| 2210 | on road at packrat nest before SE orchard | p (B) | N/A | NO NSO RESPONSE |
| 2224 | Bottom of SE orchard | p (C) | N/A | NO NSO RESPONSE |
| 2246 | Bottom of Banks orchard | p (D) | N/A | NO NSO RESPONSE- 56°F road noise |
| 2304 | Gardner ridge | p (E) | N/A | NO NSO RESPONSE- 51°F |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2007 CALLS 22,23,24

LANDOWNER Thompson THP# 1-06-172 SON DFG TERRITORY NO. 015 (abandoned) CALL # 22 OBSERVERS Jim Berry
Latitude = 38.5381696N Longitude = 123.0114449 W

GENERAL LOCATION South of Occidental Rd & one mile east of Occidental COUNTY Sonoma Quad Name Camp Meeker (7.5 Min & NAD 27) T- 7N/6N R- 10W SECS. 1,2/36

DATE @ START 1 June 2007 START TIME (2400 clock): 2121 END TIME: 2221 TOTAL TIME: 60

HABITAT: Tanoak, Laurel, Rwd, Doug. Fir WHR 4d & 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2121 | 1/4 mile from Banks house toward N/W, in gulch | P (A) | N/A | NO NSO RESPONSE 50 degrees F |
| 2133 | On road at packrat nest just before S/E orchard | p (B) | N?A | NO NSO RESPONSE 47 degrees F |
| 2151 | Bottom of west orchrd | p (C) | N/A | NO NSO RESPONSE cold crickets |
| 2211 | Bottom of orchard below old Banks house | p (D) | N/A | NO NSO RESPONSE- Occ. Rd noise |

DATE @ START 24 June 2007 CALL # 23 OBSERVERS Jim Berry

START TIME (2400 clock): 2241 END TIME: 2341 TOTAL TIME: 60

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------------------------------|-------|-----|--|
| 2241 | 1/4 mile NW of Banks house in gulch | P (A) | N/A | NO NSO RESPONSE 50 degrees F |
| 2255 | 1000' south of A on road | p (B) | N/A | NO RESPONSE 47 degrees F |
| 2316 | Bottom orchard, near Green Canyon | p (C) | N/A | NO NSO RESPONSE- Great Horned pair called to each other 1/2 mile apart one within THP and one not-- 4 minutes |
| 2331 | Bottom of orch below Banks house | p (D) | N/A | NO NSO RESPONSE mad Great Horned said "No Trespassing" by sqwawk and regular call- called over time while conversing |

DATE @ START 3 July 2007 CALL # 24 OBSERVER Jim Berry

START TIME (2400 clock): 2257 END TIME: 2356 TOTAL TIME: 59

WEATHER (BOLD): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze full moon

| | | | | |
|------|---|-------|-----|--|
| 2257 | 1/4 mile NW Banks house in gulch | P (A) | N/A | NO NSO RESPONSE 57 dgrees F. |
| 2312 | on road at packrat nest before SE orchard | p (B) | N/A | NO NSO RESPONSE Mild night |
| 2327 | Bottom of SE orchard | p (C) | N/A | NO NSO RESPONSE 3/4 moon, crickets rd. noise |
| 2346 | Bottom of Banks orchard | p (D) | N/A | NO NSO RESPONSE- |



In Reply Refer To:
8-14-2007-TA-3088.3

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Arcata Fish and Wildlife Office
1655 Heindon Road
Arcata, California, 95521
Phone: (707) 822-7201 FAX: (707) 822-8411



AUG 16 2007

Ms. Leslie Markham
Deputy Chief, Forest Practice
Dept. of Forestry and Fire Protection
135 Ridgeway Avenue
Santa Rosa, CA 95402

Subject: Response to Request for Additional Technical Assistance Regarding 1-06-172 SON

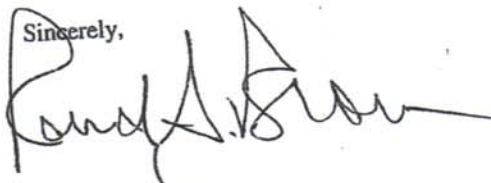
Dear Ms. Markham:

This responds to a request for additional U.S. Fish and Wildlife Service (Service) technical assistance, received in our office on August 10, 2007, on the above timber harvest plan (THP). At issue in the request is the potential for incidental take of the federally listed northern spotted owl (*Strix occidentalis caurina*) as a result of operations conducted as proposed on the above THP. After review of the information pertaining to this request, the Service provides the following technical assistance.

This is a 74-acre THP (selection) located in Section 36, Township 7 North, Range 10 West, and Section 1, Township 6 North, Range 10 West, within Rancho Canada de Jonive, M.D.B.& M. in Sonoma County (see enclosed map). There are no known northern spotted owl activity centers located within 1,000 feet of the THP. The Service has determined that operations conducted as proposed on the above THP would not be likely to incidentally take northern spotted owls, provided operations are complete prior to February 1, 2008.

All maps and data used to provide this technical assistance are on file at this office. If you have questions regarding this response, please contact Mr. Ken Hoffman of my staff at the Arcata Fish and Wildlife Office at (707) 822-7201.

Sincerely,

Acting
So

Michael M. Long
Field Supervisor

Enclosure

cc:
CDF: J. Bawcom, 2210 W. College Ave., Santa Rosa, CA 95401
RPF: J. Berry, PO Box 94, Cazadero 95421

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2008 CALLS 25,26,27

LANDOWNER Thompson THP# 1-06-172.SON DFG TERRITORY NO. 015 (abandoned territory??) CALL # 25
 OBSERVERS Jim Berry Latitude = 38.5381696N Longitude = 123.0114449 W

GENERAL LOCATION South of Occidental Rd & one mile east of Occidental COUNTY Sonoma Quad Name Camp Meeker (7.5 MIN. & NAD 27) T- 7N / 6N R- 10W SECS. 1, 2 / 36

DATE @ START 5 May 2008 START TIME (2400 clock): 2135 END TIME: 2235 TOTAL TIME: 69

VEGETATIVE HABITAT Tanoak, Laurel, Rwd, Doug, Fir WHR 4d & 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2112 | 1/4 mile from Banks house toward N/W, in gulch | P (A) | N/A | NO NSO RESPONSE jet noise and brezze |
| 2127 | On road at packrat nest just before S/E orchard | p (B) | N?A | NO NSO RESPONSE |
| 2143 | Bottom of west orchrd | p (C) | N/A | NO NSO RESPONSE road, jet, dog noise |
| 2211 | Bottom of orchard below old Banks house | p (D) | N/A | NO NSO RESPONSE- |

DATE @ START 14 May 2008 CALL # 26 OBSERVERS Jim Berry

START TIME (2400 clock): 2201 END TIME: 2308 TOTAL TIME: 67

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------------------------------|-------|-----|--|
| 2201 | 1/4 mile NW of Banks house in gulch | P (A) | N/A | NO NSO RESPONSE jet noise 80 degrees F. |
| 2215 | 1000' south of A on road | p (B) | N/A | NO RESPONSE |
| 2233 | Bottom orchard, near Green Canyon | p (C) | N/A | NO NSO RESPONSE- jet noise |
| 2358 | Bottom of orch below Banks house | p (D) | N/A | NO NSO response |

DATE @ START 20 May 2008 CALL # 27 OBSERVER Jim Berry

START TIME (2400 clock): 2135 END TIME: 2235 TOTAL TIME: 60

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze full moon

| | | | | |
|------|--|-------|-----|-------------------------------------|
| 2135 | 1/4 mile NW Banks house in gulch | P (A) | N/A | NO NSO RESPONSE |
| 2151 | on road at packrat nest before SE orchard | p (B) | N/A | NO NSO RESPONSE Mild night |
| 2206 | Bottom of SE orchard | p (C) | N/A | NO NSO RESPONSE full orange moon |
| 2225 | Bottom of Banks orchard | p (D) | N/A | NO NSO RESPONSE- road noise |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2009 CALLS 28,29,30

LANDOWNER Thompson THP# 1-06-172 SON DFG TERRITORY NO. 015 (abandoned territory??) CALL # 28 OBSERVERS Jim Berry
Latitude =38.5381696N Longitude=123.0114449 W

GENERAL LOCATION South of Occidental Rd & one mile east of Occidental COUNTY Sonoma Quad Name Camp Meeker (7.5 & NAD 27) T- 7N/6N R- 10W SECS. 1, 2/ 36

DATE @ START 4 April 2009 START TIME (2400 clock): 2133 END TIME: 2225 TOTAL TIME: 52

VEGETATIVE HABITAT Tanoak, Laurel, Rwd, Doug. Fir WHR 4d & 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2133 | 1/4 mile from Banks house toward N/W, in gulch | P (A) | N/A | NO NSO RESPONSE Occidental Rd. noise |
| 2147 | On road at packrat nest just before S/E orchard | p (B) | N?A | NO NSO RESPONSE |
| 2200 | Bottom of west orchrd | p (C) | N/A | NO NSO RESPONSE disturbed rufous-sided towhee--bat flew by after moths--Bohemian Hwy. |
| 2215 | Bottom of orchard below old Banks house | p (D) | N/A | NO NSO RESPONSE- human voices and dogs and pine smoke smells |

DATE @ START 5 May 2009 CALL # 29 OBSERVERS Jim Berry

START TIME (2400 clock): 2111 END TIME: 2141 TOTAL TIME: 30

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|--|---|-----|------------------|
| 2111 | Continuous call along new road which parallells Salmon Creek and echoes up all sub drainages | C | N/A | NO NSO RESPONSE |
| | | | N/A | NO RESPONSE |
| | | | N/A | NO NSO RESPONSE- |
| 2141 | | | N/A | NO NSO RESPONSE |

DATE @ START 26 August 2009 CALL # 30 OBSERVER Jim Berry

START TIME (2400 clock): 2140 END TIME: 2213 TOTAL TIME: 33

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze full moon

| | | | | |
|------|--|---|-----|--|
| 2140 | Continuous call along new road which parallells Salmon Creek and echoes up all sub drainages | C | N/A | NO NSO RESPONSE |
| | | | N/A | NO NSO RESPONSE |
| | | | N/A | NO NSO RESPONSE |
| 2213 | | | N/A | NO NSO RESPONSE- Occidental and Bohemian Hwy. road noise--one dog barking |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2010 CALLS 31,32,33

LANDOWNER Thompson THP# 1-06-172 SON DFG TERRITORY NO. 015 (abandoned territory??) CALL # 31
 OBSERVERS Jim Berry Latitude = 38.5381696N Longitude = 123.0114449 W

GENERAL LOCATION South of Occidental Rd & one mile east of Occidental COUNTY Sonoma Quad Name Camp Meeker (7.5 MIN. & NAD 27) T- 7N / 6N R- 10W SECS. 1, 2 / 36

DATE @ START 1 May 2010 START TIME (2400 clock): 2133 END TIME: 2212 TOTAL TIME: 39

VEGETATIVE HABITAT Tanoak, Laurel, Rwd, Doug. Fir WHR 4d & 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|----------------------------|---|--|---|---|
| 2133 TO 2212 | continuous call down and back up primary haul road and parallel to Salmon Creek | N/A | N/A N/A N/A | NO NSO RESPONSE Occidental Rd. noise NO NSO RESPONSE- |

DATE @ START 29 July 2010 CALL # 32 OBSERVERS Jim Berry

START TIME (2400 clock): 2111 END TIME: 2141 TOTAL TIME: 30

WEATHER (BOLD): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|---|--|---------------------------|-----------------|
| 2111 | Continuous call along new road which parallels Salmon Creek and echoes up all sub drainages | | N/A N/A N/A | NO NSO RESPONSE |
| 2141 | | | N/A | NO NSO RESPONSE |

DATE @ START 30 August 2010 CALL # 33 OBSERVER Jim Berry

START TIME (2400 clock): 2130 END TIME: 2218 TOTAL TIME: 48

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze full moon

| | | | | |
|------|------------------------------------|---|-----|-----------------|
| 2130 | New road below barn | P | N/A | NO NSO RESPONSE |
| 2148 | central ridge at landing | P | N/A | NO NSO RESPONSE |
| 2218 | Eastern ridge covering to Gardners | P | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2011 CALLS 34,35,36

LANDOWNER Thompson THP# 1-06-172 SON DFG TERRITORY NO. 015 (abandoned territory??) OBSERVERS Jim Berry Call #34 Latitude =38.5381696N Longitude=123.0114449 W

GENERAL LOCATION South of Occidental Rd & one mile east of Occidental COUNTY Sonoma Quad Name Camp Meeker 7.5 Min T- 7N / 6N R- 10W SECS. 1, 2 / 36

DATE @ START 31 May 2011 START TIME (2400 clock): 2225 END TIME: 2255 TOTAL TIME: 30

VEGETATIVE HABITAT Tanoak, Laurel, Rwd, Doug. Fir WHR 4d & 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|---|
| 2225 | Continuous call down and up central haul road near Salmon Creek thourh original calling points | contiuous | N/A | NO NSO RESPONSE Occidental Rd. noise |
| 2255 | END | | N/A | |

DATE @ START 6 July 2111 CALL # 35 OBSERVERS Jim Berry

START TIME (2400 clock): 2257 END TIME: 2331 TOTAL TIME: 34

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|--|------------|-----|-----------------|
| 2257 | Continuous call down and up new road which parallells Salmon Creek and echoes up all sub drainages | continuous | N/A | NO NSO RESPONSE |
| 2331 | END | | | |

DATE @ START 1 August 2011 CALL # 36 OBSERVER Jim Berry

START TIME (2400 clock): 2240 END TIME: 2325 TOTAL TIME: 45

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze full moon

| | | | | |
|------|--|------------|-----|--|
| 2240 | Continuous call down and up new road which parallells Salmon Creek and echoes up all sub drainages | Continuous | N/A | NO NSO RESPONSE |
| 2325 | | | N/A | possible Screech owl once-c oyote pack howled at west orchard-5 calls from barn owl passing from barn to orchards SE |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2012 CALLS 37, 38,39

LANDOWNER: Thompson THP# 1-06-172 SON DFG TERRITORY NO. OBSERVERS Jim Berry Call 37 015 Latitude =38.5381696N
Longitude=123.0114449 W

GENERAL LOCATION South of Occidental Rd & one mile east of Occidental COUNTY Sonoma Quad Name Camp Meeker (7.5 Min
 & NAD 27) T- 7N / 6N R- 10W SECS. 1, 2 / 36

DATE @ START 23 May 2012 START TIME (2400 clock): 2210 END TIME: 2259 TOTAL TIME: 49

VEGETATIVE HABITAT Tanoak, Laurel, Rwd, Doug. Fir WHR 4d & 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2230 | Continuous call down and up central haul road near Salmon Creek thourh original calling points Used Mighty Atom wildlife caller from Wildlife Technologies as usual | contiuous | V and O | MALE NSO RESPONSE AT 2230 on limb and perched three times in and flew in a circle around me then followed Jim up hill to 100 feet from lighted Thompson barn. A Screech Owl called from NSO starting location. Viewed and heard NSO male |
| 2259 | END | | | |

DATE @ START 25 May 2012 (day time call follow up) CALL # 38 OBSERVERS Jim Berry

START TIME (2400 clock): 1708 END TIME: 1738 TOTAL TIME: 30

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|---|--------------------|-----|-----------------|
| 1708 | Continuous call down and up new road which parallels Salmon Creek and echoes up all sub drainages | From central ridge | N/A | NO NSO RESPONSE |
| 1738 | END | | | |

DATE @ START 23 June 2012 CALL # 39 OBSERVER Jim Berry

START TIME (2400 clock): 2230 END TIME: 2330 TOTAL TIME: 60

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|------|--|---|-----|--|
| 2230 | Continuous call down and up new road which parallells Salmon Creek and echoes up all sub drainages | C | N/A | NSO RESPONSE FROM RIGE TOP AS SHOWN ON MAP. BOTH MALE AND FEMALE CALLED CONTIUOUSLY FROM RIDGE TOP, JIM THEN APPROACHED FROM OCCIDENTAL ROAD AND VIEWED NOISY FEMALE ABOUT 300 FEET FROM OCCIDENTAL ROAD. THE MALE FOLLOWED MY USUAL PATH UP THE ROAD TO THE BARN. |
| 2330 | Used Mighty Atom wildlife caller from Wildlife Technologies as usual | | | |

NORTHERN SPOTTED OWL FIELD SURVEY THOMPSON 2012 CALLS 40, 41

LANDOWNER Thompson THP# 1-06-172 SON DFG TERRITORY NO. 015 ?? CALL #40 OBSERVERS Jim Berry

GENERAL LOCATION South of Occidental Rd & one mile east of Occidental COUNTY Sonoma Quad Name Camp Meeker (7.5 Min & NAD 27) T- 7N / 6N R- 10W SECS. 1, 2 / 36

DATE @ START 19 July 2012 START TIME (2400 clock): 2215 END TIME: 2259 TOTAL TIME: 44

VEGETATIVE HABITAT Tanoak, Laurel, Rwd, Doug. Fir WHR 4d & 5d

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2215 | called from male/female location on point in NE corner of THP | NE THP POINT | V for male | MALE NSO RESPONSE FROM CLASS I PORTION OF SALMON CREEK AT 2220. IT IS ABOUT 1/4 MILE DISTANT. MALE APPROACHED TO 50 FEET IN SMALL LIMBY DF WHERE HE ARTICULATED UNTIL 2259 WHEN JIM LEFT. USED MIGHTY ATOM 15 WILDLIFE TECH. CALLER |
| 2259 | | | | |

DATE @ START 20 July 2012 (day time call follow up) CALL # 41 OBSERVERS Jim Berry

START TIME (2400 clock): 1140 END TIME: 1203 TOTAL TIME: 23

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no -

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|---|
| 1140 AM | | NE THP POINT | N/A | NO NSO RESPONSE A SHORT LIMBY ISOLATED RWD CLUMP WITH 7, 25-35 INCH RWDS WAS NEGATIVE FOR WHITE WASH. 8 LIMBY DF WITHIN 200 FEET OF RWD CLUMP WERE NEGATIVE FOR WHITEWASH. MOST OF SURROUNDING TREES ARE 4-16" DBH LIMBY DF |
| 1203 (NOON) | END OF THOMPSON CALLS AFTER 12 YEARS | | | |

Date: April 3, 2001
Ref.: THP 1-99-078 SON

Ken Hoffman
U.S. Fish and Wildlife Service
1655 Heindon Road
Arcata, CA 95521

Dear Mr. Hoffman:

We would like to ask technical assistance to extend the "incidental no take" finding relative to the Northern Spotted Owl (*Strix occidentalis caurina*). The last technical assistance letter was dated March 30, 2000. This approval expired at midnight on January 31, 2001. In order to operate as soon as possible during the 2001 harvest season we would appreciate your usual prompt response. We have again completed our calls for 2001 and have enclosed NSO log numbers 13, 14 and 15.

Sincerely,

James M. Berry

April 19, 2001

Ref.: THP- Mc Donell
No previous technical assistance

Ken Hoffman:
U.S. Fish and Wildlife Service
1655 Heindon Road
Arcata, CA 95521

Dear Mr. Hoffman:

We would like to ask for technical assistance for determination of Take/No take for the Northern Spotted Owl on the 30 acre Mc Donell property. The THP silviculture will be selection. I have included the NSO Data Base information from the Dept. of Forestry, the 1.3 mile radius Vegetative Habitat Map and 9 previous calls including 3 for 2001.

A fox was seen in call numbers 3 & 9, a skunk in call #5 and both a Pygmy and Sawwhet Owl in call #7. No Northern Spotted Owl call was heard at any time. We have located at least one NSO pair where there is loud road noise(in Mays Canyon) but the constant noise day or night and the distance to water may more than offset the abundance of packrats in this area. The two to three storied canopy appears to be adequate habitat for Screech, Spotted, Pygmy or Sawwhet Owls. The habitat following harvest will likely be suitable as well.

Correspondence should be sent to Jim Berry, P.O. Box 94, Cazadero, CA 95421. Phone calls may be directed to (707) 632-5280.

Sincerely,

James M. Berry

June 5, 2001
Ref.: THP- 1-01-105 SON
No previous technical assistance

Ken Hoffman:
U.S. Fish and Wildlife Service
1655 Heindon Road
Arcata, CA 95521

Dear Mr. Hoffman:

We would like to ask for technical assistance for determination of Take/No take for the Northern Spotted Owl on the 105 acre Berry property on Sawmill Gulch. The original N.S.O. territory (049) was located by Ted Wooster. S.O. 046 was last sighted in 1997 and has not been heard or sighted since. A Great Horned Owl pair now appears to occupy the same activity center and has been heard day and night in 2001. They appear to hunt the forest edges and field near the THP. The third consecutive trio of calls in 2002 may establish that N.S.O. 049 has left Sawmill Gulch indefinitely.

There is a lack of foraging habitat which has adequate cover on this canyon. Bird and rodent populations within the dense Redwood forest appear to be low due to lack of herbs and shrubs under heavy canopy.

THP silviculture will be selection and a 60% canopy or more will be left. I have included the NSO Data Base information from the Dept. of Forestry, the 1.3 mile radius Vegetative Habitat Map and 9 previous calls including 3 for 2001.

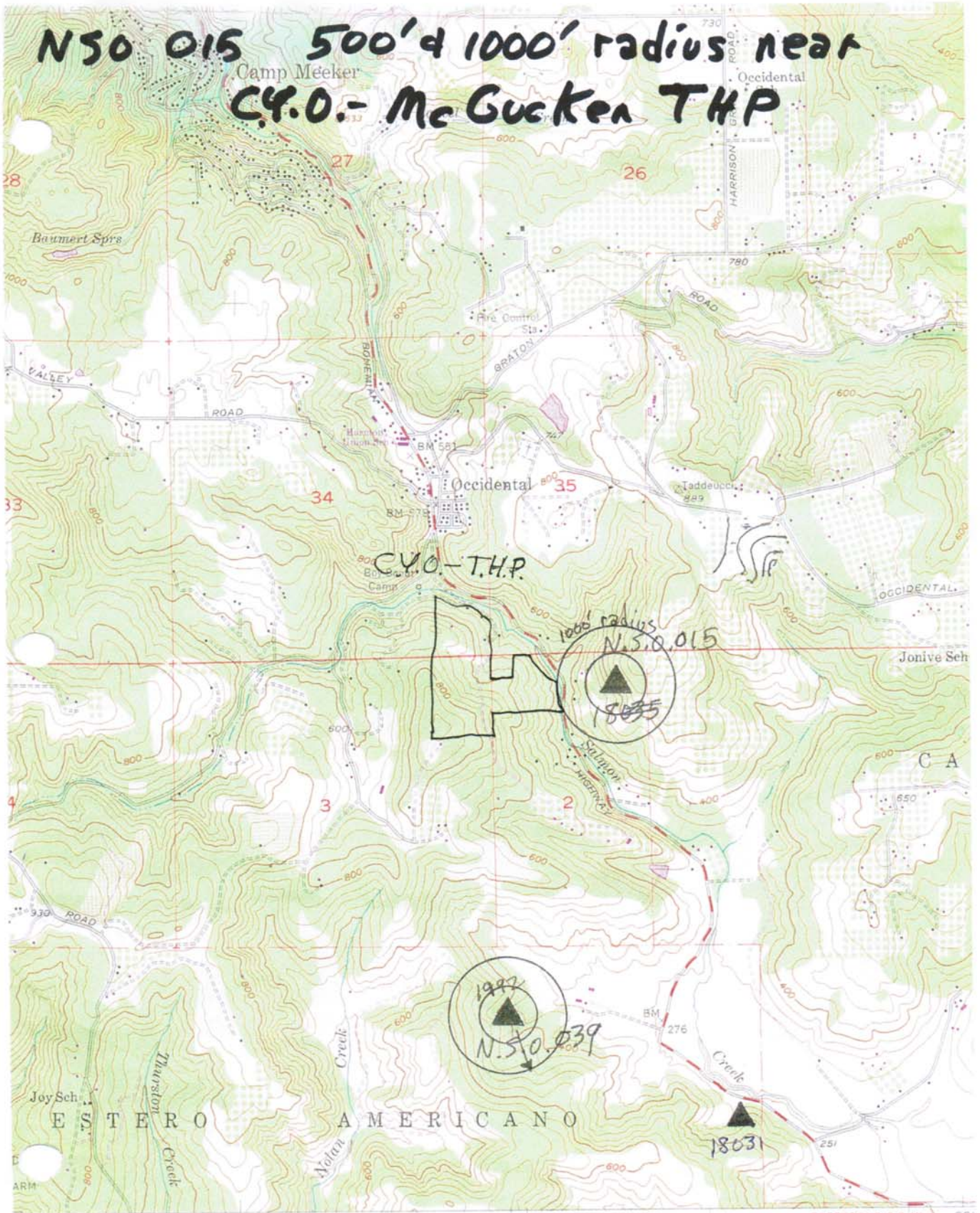
Correspondence should be sent to Jim Berry, P.O. Box 94, Cazadero, CA 95421. Phone calls may be directed to (707) 632-5280.

Sincerely,

James M. Berry

CYO (Mc Guckin Center) maps, calls and TA

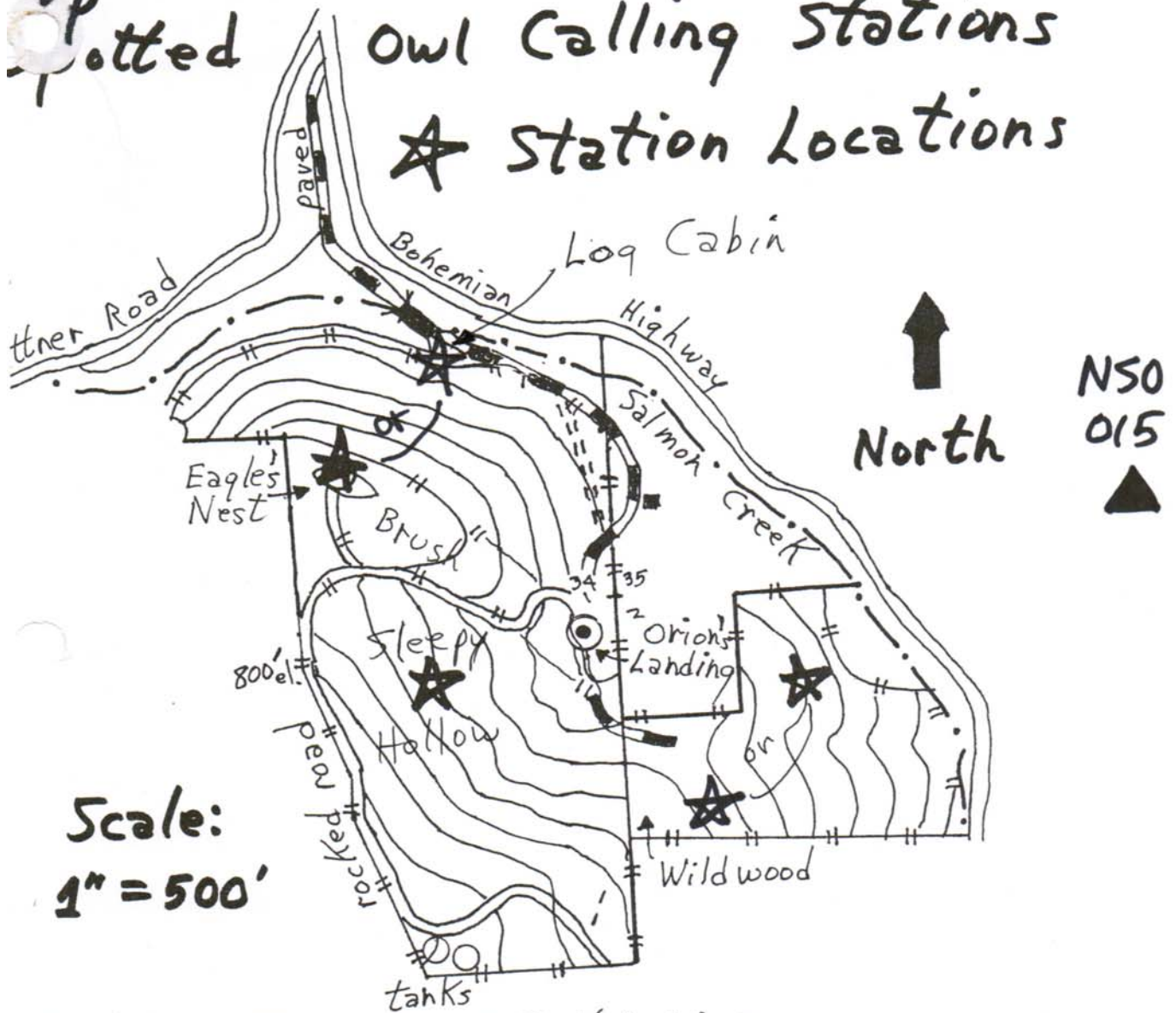
N50 015 500' & 1000' radius near
Camp Meeker
C.Y.O. - Mc Gucken T.H.P.



222

Timber Harvest Plan Map for C.Y.O. Spotted Owl Calling Stations

★ Station Locations



Section 243, T6N, R10W; Section 34, T7N, R10W MDB&M
Camp Meeker Quad Sonoma County

★ All calling stations are audible from
last known location of 015

THP# 1-00-090-50N

NORTHERN SPOTTED OWL FIELD SURVEY CYO 1997 Calls 1,2,3

LANDOWNER **CYO** THP# **1-00-090 SON** DFG TERRITORY NO. **015** CALL # **1** OBSERVERS **Jim Berry**

GENERAL LOCATION COUNTY **Sonoma** Quad Name **Camp Meeker (7.5 Min & NAD 27)** T- **6N / 7N** R- **10W** SECS. **10**

DATE @ START **1 May 1997** START TIME (2400 clock): **2146** END TIME: **2240** TOTAL TIME: **54**

Habitat Type: **WHR 4d & 5d Rwd., DF, T.O., C.L. Huckleberry**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze **58-60°F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2146 | Wildwood | P | N/A | NO RESPONSE - |
| 2159 | pond | P | N/A | NO RESPONSE - kids talking - |
| 2116 | Sleepy Hollow | P | N/A | NO RESPONSE/ dog barking |
| 2130 | ball field | p | N/A | NO RESPONSE-quiet , occasional crickets |

DATE @ START **17 June 1997** CALL # **2** OBSERVERS **Jim & Kaitly Berry**

START TIME (2400 clock): **2055** END TIME: **2202** TOTAL TIME: **67**

WEATHER (Circled): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze no 3/4 moon

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (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 | obstacle course-road crossing | P | N/A | NO RESPONSE - high song bird |
| 2107 | neart pond | P | N/A | NO RESPONSE |
| 2122 | hill top near Schurman | P | N/A | NO RESPONSE - 3 jack rabbits and 2 brush rabbits |
| 2139 | ball field-Eagle's Nest | p | N/A | NO RESPONSE - lover's giggling & crickets |

DATE @ START **17 July 1997** CALL # **3** OBSERVERS **Jim Berry & Bonny**

START TIME (2400 clock): **2059** END TIME: **2200** TOTAL TIME: **61**

WEATHER (Circled): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2059 | obstacle course-road crossing | P | N/A | NO RESPONSE |
| 2111 | pond | P | N/A | NO RESPONSE |
| 2127 | above sleepy Hollow | P | N/A | NO RESPONSE |
| 2138 | near tanks | p | N/A | NO RESPONSE |
| 2150 | Eagle's nest and ball Field | p | N/a | NO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY CYO 1999 Calls 4,5,6

LANDOWNER **CYO** THP# **1-00-090 SON** DFG TERRITORY NO. 015 CALL # 4 OBSERVERS Jim Berry and Bonny

GENERAL LOCATION COUNTY Sonoma Quad Name Camp Meeker (7.5 Min & NAD 27) T- 6N / 7N R- 10W
SECS. 2, 3 / 34

DATE @ START 13 June 1999 START TIME (2400 clock): 2304 END TIME: 0010 TOTAL TIME: 66

Habitat Type: WHR 4d & 5d Rwd., DF, T.O., C.L. Huckleberry

WEATHER (circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2304 | landing above pond | P | N/A | NO RESPONSE - counselor lecture on NSO |
| 2331 | canyon above pond | P | N/A | NO RESPONSE - |
| 2347 | Sleepy Hollow | P | N/A | NO RESPONSE/ |
| 2400 | ball field | p | N/A | NO RESPONSE |

DATE @ START 19 June 1999 CALL # 5 OBSERVERS Jim, Kaity & Bonny

START TIME (2400 clock): 2203 END TIME: 2255 TOTAL TIME: 52

WEATHER (Circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 54 degrees F 3/4 moon

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2203 | obstacle course--road crossing | P | N/A | NO RESPONSE - high song bird |
| 2217 | near pond | P | N/A | NO RESPONSE |
| 2231 | hill top near Schurman | P | N/A | NO RESPONSE - 3 jack rabbits and 2 brush rabbits |
| 2245 | ball field--Eagle's Nest | p | N/A | NO RESPONSE - lover's giggling & crickets |

DATE @ START 24 June 1999 CALL # 6 OBSERVERS Jim Berry, Kaity & Bonny

START TIME (2400 clock): 2213 END TIME: 2317 TOTAL TIME: 64

WEATHER (Circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2213 | landing above drinking water pond | P | N/A | NO RESPONSE |
| 2227 | obstacle course--road crossing | P | N/A | NO RESPONSE |
| 2254 | above sleepy Hollow | P | N/A | NO RESPONSE |
| 2307 | Eagle's nest and ball Field | p | N/a | NO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY CYO 2000 Calls 7,8,9

LANDOWNER **CYO** THP# **1-00-090 SON** DFG TERRITORY NO. **015** CALL # **7** OBSERVERS **Jim Berry**

GENERAL LOCATION COUNTY **Sonoma** Quad Name **Camp Meeker** (7.5 Minute & NAD 27) T- **6N** / **7** R- **10W**
 SECS. **2, 3** / **34**

DATE @ START **23 February 2000** START TIME (2400 clock): **2000** END TIME: **2044** TOTAL TIME: **44**

Habitat Type: **WHR 4d & 5d Rwd., DF, T.O., C.L. Huckleberry**

WEATHER (circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 36 to 40 degrees F.

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2000 | saddlelanding | P | N/A | NO RESPONSE -symphony of frogs in slide |
| 2020 | Sleepy Hollow | P | N/A | NO RESPONSE - |
| 2034 | log cabin-Eagle's Nest | P | N/A | NO RESPONSE/ frogs in filed |

DATE @ START **6 March 2000** CALL # **8** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2126** END TIME: **2206** TOTAL TIME: **40**

WEATHER (Circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2126 | obstacle course--road crossing | P | N/A | NO RESPONSE - Bohmian Hwy noise |
| 2140 | neart pond | P | N/A | NO RESPONSE - 3 jack rabbits and 2 brush rabbits |
| 2156 | hill top near Schurman | P | N/A | NO RESPONSE - lover's giggling & crickets |

DATE @ START **14 March 2000** CALL # **9** OBSERVERS **Jim Berry, Kaity & Bonny**

START TIME (2400 clock): **1826** END TIME: **1923** TOTAL TIME: **57**

WEATHER (Circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 1826 | landing above drinking water pond | P | N/A | NO NSO RESPONSE -plane and jet, 2 dogs, Pygmy Owl calling continuously from 1830 tp 1900. Still calling when out of earshot. |
| 1900 | above sleepy Hollow | P | N/A | NO NSO RESPONSE |
| 1913 | Eagle's nest and ball Field | p | N/a | NO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY CYO 2001 Calls 10,11,12

LANDOWNER: **CYO** THP# **1-00-090 SON** DFG TERRITORY NO. 015 CALL # 10 OBSERVERS Jim Berry and Bonny

GENERAL LOCATION: COUNTY Sonoma Quad Name Camp Meeker (7.5 Min. & NAD 27)
 T- 6N / 7N R- 10W SECS. 2,3 / 34

DATE @ START 4 June 2001 START TIME (2400 clock): 2120 END TIME: 2215 TOTAL TIME: 55

Habitat Type: WHR 4d & 5d Rwd., DF, T.O., C.L. Huckleberry

WEATHER (circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **51°F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2120 | Wildwood | P | N/A | NO RESPONSE - Saw whet at minor conversion south of Wildwood called after 10 minutes |
| 2140 | Sleepy Hollow | P | N/A | NO RESPONSE - Saw whet gave challenging call, and came closer |
| 2205 | Log Cabin | P | N/A | NO RESPONSE - Bohemian Hwy very noisy |

DATE @ START 20 June 2001 CALL # 11 OBSERVERS Jim & Kaity Berry & Bonnie

START TIME (2400 clock): 2135 END TIME: 2232 TOTAL TIME: 57

WEATHER (Circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **64°F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2135 | Wildwood | P | N/A | NO RESPONSE - frogs & dogs |
| 2157 | Sleepy Hollow | P | N/A | NO RESPONSE - Hwy 116 noise |
| 2222 | Log Cabin | P | N/A | NO RESPONSE - |

DATE @ START 17 July 2001 CALL # 12 OBSERVERS Jim Berry & Bonny

START TIME (2400 clock): 2137 END TIME: 2223 TOTAL TIME: 46

WEATHER (Circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze **60°F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2137 | Wildwood | P | N/A | NO RESPONSE |
| 2155 | Sleepy Hollow | P | N/A | NO RESPONSE |
| 2213 | Log Cabin | P | N/A | NO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY CYO 2002 Calls 13,14,15

LANDOWNER **CYO** THP# **1-00-090 SON** DFG TERRITORY NO. 015 CALL # 13 OBSERVERS Jim Berry and Kaity Berry

GENERAL LOCATION: $\frac{1}{2}$ mile south of Occidental COUNTY Sonoma Quad Name Camp Meeker (7.5 Min &NAD 27) T- 6N / 7N R- 10W SECS. 2, 3 / 34

DATE @ START 20 June 2002 START TIME (2400 clock): 2130 END TIME: 2221 TOTAL TIME: 51

Habitat Type: WHR 4d & 5d Rwd., DF, T.O., C.L. Huckleberry

WEATHER (circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2130 | Wildwood | P | N/A | NO RESPONSE - high camper noise, singing |
| 2140 | Sleepy Hollow | P | N/A | NO RESPONSE - |
| 2211 | Log Cabin | P | N/A | NO RESPONSE - |

DATE @ START 17 July 2002 CALL # 14 OBSERVERS Jim & Kaity Berry & Bonnie

START TIME (2400 clock): 2140 END TIME: 2226 TOTAL TIME: 46

WEATHER (Circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **63°F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2140 | Wildwood | P | N/A | NO RESPONSE - |
| 2200 | Sleepy Hollow | P | N/A | NO RESPONSE - |
| 2216 | Log Cabin | P | N/A | NO RESPONSE - |

DATE @ START 29 July 2002 CALL # 15 OBSERVERS Jim Berry & Kaity Berry & Bonnie

START TIME (2400 clock): 2138 END TIME: 2221 TOTAL TIME: 43

WEATHER (Circled): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2138 | Wildwood | P | N/A | NO RESPONSE 57 degrees |
| 2154 | Sleepy Hollow | P | N/A | NO RESPONSE 57 degrees |
| 2211 | Log Cabin | P | N/A | NO RESPONSE 56 degrees |



IN REPLY REFER TO:

United States Department of the Interior

FISH AND WILDLIFE SERVICE

Arcata Fish and Wildlife Office
1655 Heindon Road
Arcata, California 95521
707-822-7201
FAX: (707) 822-8411

UNIT, FG, WQ
6/14/00

June 7, 2000

In Reply Refer To:

1-14-2000-TA-270b

Mr. Rodger Thompson
Deputy Chief, Forest Practice
Dept. of Forestry and Fire Protection
135 Ridgeway Avenue
Santa Rosa, CA 95402

Subject: Response to Request for Additional Technical Assistance Regarding 1-00-090 SON

Dear Mr. Thompson:

This responds to a request for additional U.S. Fish and Wildlife Service (Service) technical assistance, received in our office on June 6, 2000, on the above timber harvest plan (THP). At issue in the request is the potential for incidental take of the Federally listed northern spotted owl (*Strix occidentalis caurina*) as a result of operations conducted on the above THP during the breeding season. After review of the information pertaining to this request, the Service provides the following technical assistance.

This is a 62 acre proposed THP (selection) located in Sections 2 and 3, Township 6 North, Range 10 West, and Section 34, Township 7 North, Range 10 West, M.D.B.M. in Sonoma County. There are no known northern spotted owl activity centers located within 1,000 feet of the THP. The Service has determined that operations conducted on this THP would not be likely to incidentally take northern spotted owls, provided the operations are complete prior to February 1, 2001.

All maps and data used to provide this technical assistance are on file at this office. If you have questions regarding this response, please contact Mr. Ken Hoffman at the Arcata Fish and Wildlife Office at (707) 822-7201.

Sincerely,

for
Phil Detrich

Phil Detrich
HCP Team Project Leader

RECEIVED

JUN 12 2000

COAST AREA OFFICE
RESOURCE MANAGEMENT

cc:

RPF: J. Berry, PO Box 94, Cazadero, CA 95421

PART OF PLAN

-151-

CY0

End of CYO THP#1-00-090 SON and Beginning of Berry Family NTMP in progress

NORTHERN SPOTTED OWL FIELD SURVEY BERRY FAMILY 2001 CALLS 1,2,3

LANDOWNER **Berry Family** NTMP# PENDING DFG TERRITORY NO. NSO 0102 OBSERVERS Jim Berry CALL # 1

GENERAL LOCATION **One mile west of Cazadero** COUNTY Sonoma Quad Name Cazadero (7.5 Min & NAD 27)
T- 8N R- 11W SECS. 17

DATE @ START 25 July 2001 START TIME (2400 clock): 2123 END TIME: 2233 TOTAL TIME: 70

HABITAT TYPE: **Douglas Fir, Redwood, M. Pine, Calif. Laurel, Tanoak, Live Oak, Madrone, Maple, White Oak, Black Oak**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no **54°F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|---|
| 2123 | Steel gate above Ft. Ross Rd | P | N/A | NO RESPONSE - quiet |
| 2140 | Pepperwood landing, planted Redwoods | P | N/A | NO RESPONSE - quiet |
| 2155 | Rd. fork N of Dead Horse Spring | P | N/A | NO RESPONSE - quiet |
| 2210 | Dead Horse Spring | P | N/A | NO RESPONSE - quiet |
| 2223 | School slide | P | N/A | NO RESPONSE - quiet high pitched night insect - all stations |

DATE @ START 6 August 2001 CALL # 2 OBSERVERS Jim Berry, Kaity Berry

START TIME (2400 clock): 2118 END TIME: 2311 TOTAL TIME: 113

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **67° - 78° F**

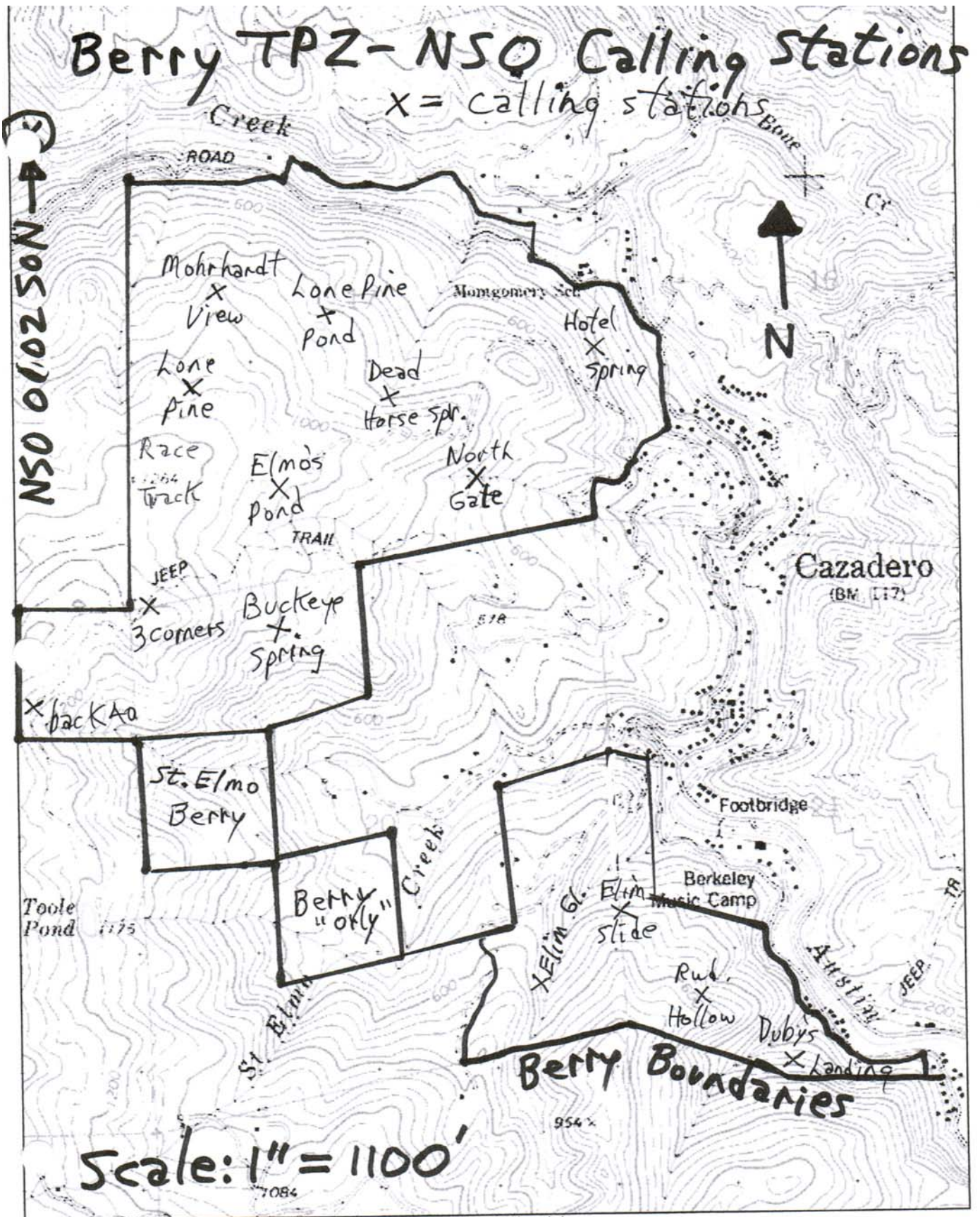
| TIME 2400 CLOCK | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD L eap Frog=LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------------|---|---|---|---|
| 2118 | UPPER LONE PINE | P | N/A | NO RESPONSE |
| 2150 | Steel Gate above Ft. Ross Rd. | P | N/A | NO RESPONSE - LOUD CRICKETS |
| 2207 | Pepperwood Landing - planted rwds | P | N/A | NO RESPONSE - 2 SCREECH OWL CALLS |
| 2225 | Road fork N. of Dead Horse Spring | P | N/A | NO RESPONSE - ONE PYGMY CALL |
| 2243 | Dead Horse Spring | P | N/A | NO RESPONSE |
| 2301 | School Slide | P | N/A | NO RESPONSE - CRICKETS EVERYWHERE |

DATE @ START 15 August 2001 CALL # 3 OBSERVERS Jim Berry

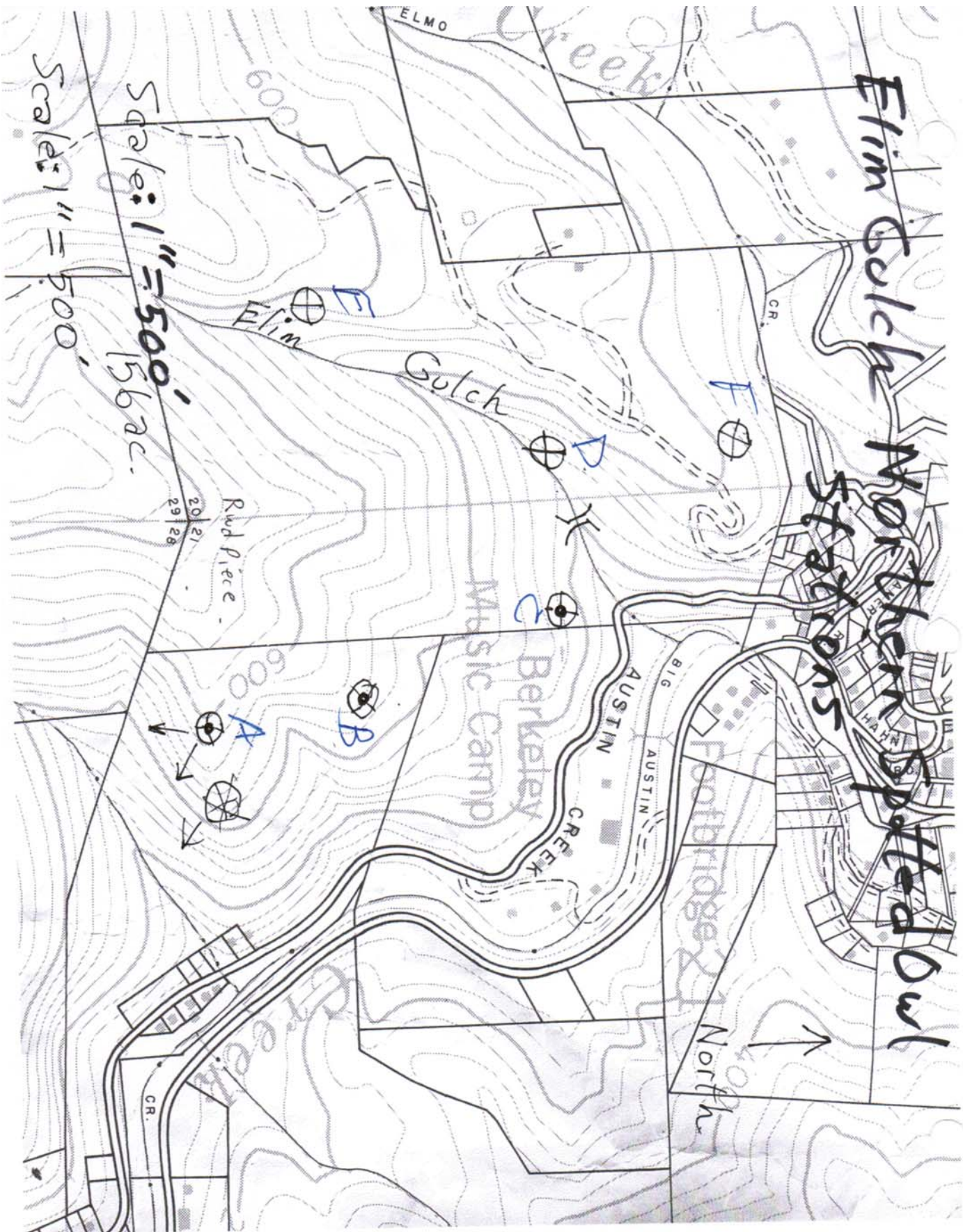
START TIME (2400 clock): 2116 END TIME: 2251 TOTAL TIME: 95

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze **64° - 68° F**

| TIME 2400 CLOCK | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------------|--|--|--|---|
| 2116 | upper Lone Pine | P | N/A | NO RESPONSE - crickets |
| 2136 | Steel Gate above Ft. Ross Rd. | P | N/A | NO RESPONSE - crickets |
| 2149 | Pepperwood Landing - pl. Rws | P | N/A | NO RESPONSE - 3 screech calls |
| 2203 | Road Fork N of Dead Horse Spring | P | N/A | NO RESPONSE |
| 2221 | Dead Horse Spring | P | N/A | NO RESPONSE |
| 2241 | School Slide | P | N/A | NO RESPONSE |



Berry Family (Elim Gulch) NTMP in progress



SPOTTED OWL FIELD SURVEY-Elim Gulch 2005-Calls 1,2,3

LANDOWNER Berry NTMP in progress DFG TERRITORY NO. None known CALL # 1 OBSERVERS Jim Berry and lots of bugs

GENERAL LOCATION Austin Creek COUNTY Sonoma Quad Name Cazadero (7.5 Min. & NAD 27) T- 8N R- 11W
SECS. 20

DATE @ START 21 August 2005 START TIME (2400 clock): 2050 END TIME: 2241 TOTAL TIME: 111

HABITAT TYPE : Redwood , Douglas Fir, Tanoak, Bay, Huckleberry long beard lichen 100+ sp. plants WHR 5

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 56° F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|--|--|--|---|
| 2400 clock | | | | |
| 2050 | Landing near RR flatcar | P | N/A | NO NSO RESPONSE 56 degrees F |
| 2107 | Ridge on road | P | N/A | NO NSO RESPONSE CRICKETS & DRUMS |
| 2122 | Landing at road end | P | N/A | NO NSO RESPONSE 57-S. Parmeter dog |
| 2145 | 1000' up Elim from bridge | P | N/A | NO NSO RESPONSE 58 F. dog barking |
| 2210 | Upper Elim | P | N/A | NO NSO RESPONSE - FROGS |
| 2231 | St. Elmo canyon | P | | NO NSO Response Great Horned Squawk |

DATE @ START 26 August 2005 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 2203 END TIME: 0035 TOTAL TIME: 152

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 60° F

| | | | | |
|------|---------------------------|---|-----|-----------------|
| 2303 | Landing near RR flatcar | P | N/A | NO NSO RESPONSE |
| 2316 | Ridge on road | P | N/A | NO RESPONSE |
| 2332 | Landing at road end | P | N/A | NO RESPONSE |
| 2348 | 1000' up Elim from bridge | P | N/A | NO RESPONSE |
| 0006 | Upper Elim | P | N/A | NO RESPONSE |
| 0025 | St. Elmo canyon | | | NO NSO RESPONSE |

DATE @ START 31 August 2005 CALL # 3 OBSERVERS Jim Berry

START TIME (2400 clock): 2111 END TIME: 2252 TOTAL TIME: 101

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze 63° F

| | | | | |
|------|---------------------------|---|-----|---------------------------|
| 2111 | Landing near RR flatcar | P | N/A | NO RESPONSE - CROW |
| 2126 | Ridge on road | P | N/A | NO RESPONSE |
| 2142 | Landing at road end | P | N/A | NO RESPONSE - SCREECH OWL |
| 2200 | 1000' up Elim from bridge | P | N/A | NO RESPONSE |
| 2220 | Upper Elim | P | N/A | NO RESPONSE - BOY SCOUTS |
| 2223 | St. Elmo canyon | | | No NSO RESPONSE |
| 2242 | | | | |

SPOTTED OWL FIELD SURVEY-Elim Gulch 2008-Calls 4,5,6

* No calls in 2006 and 2007 due to energy and time constraints

LANDOWNER Berry DFG TERRITORY NO. NSO0104 SON CALL # 4 OBSERVERS Jim Berry

GENERAL LOCATION ELIM GULCH COUNTY Sonoma Quad Name Cazadero (7.5 Min & NAD 27) T- 8N R- 11W
SECS. 20

DATE @ START 24 May 2008 START TIME (2400 clock): 2202 END TIME: 2322 TOTAL TIME: 80

HABITAT TYPE : Redwood, Douglas Fir, Tanoak, Bay, Huckleberry long beard lichen 100+ sp. plants WHR 5

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 56° F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2202 | Duby landing at road end | P | N/A | NSO RESPONSE FEMALE HARANGUE |
| 2220 | Rwd. Hollow | P | N/A | NO NSO RESPONSE ROAD NOISE |
| 2245 | Top of slide | P | N/A | NO NSO RESPONSE 57-S. Parmeter dog |
| 2312 | 24 Culvert ¼ mile up Elim | P | N/A | NO NSO RESPONSE 58 dog barking NO NSO- WOUNDED OPPOSUM IN ROAD THEN IN A FEW MINUTES IT WAS GONE |

DATE @ START 11 August 2008 CALL # 5 OBSERVERS Jim and Kaity Berry

START TIME (2400 clock): 2201 END TIME: 2325 TOTAL TIME: 84

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 60° F

| | | | | |
|------|---------------------------|---|------------|-------------------------------------|
| 2201 | Duby landing at road end | P | VOCAL ONLY | NSO RESPONSE 9 FEMALE CALLS, MALE 5 |
| 2221 | Rwd. Hollow | P | N/A | NO NSO RESPONSE |
| 2238 | Top of slide | P | N/A | NO NSO RESPONSE |
| 2315 | 24 Culvert ¼ mile up Elim | P | N/A | NO NSO RESPONSE |

DATE @ START 30 August 2008 CALL # 6 OBSERVERS Jim Berry

START TIME (2400 clock): 2102 END TIME: 2208 TOTAL TIME: 66

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze 63° F

| | | | | |
|------|---------------------------|---|-----|---|
| 2102 | Duby landing at road end | P | N/A | NO RESPONSE - CROW |
| 2117 | Rwd. Hollow | P | N/A | NO RESPONSE |
| 2136 | Top of slide | P | N/A | NO RESPONSE - SCREECH OWL |
| 2158 | 24 Culvert ¼ mile up Elim | P | N/A | NO RESPONSE NO RESPONSE - BOY SCOUTS |

SPOTTED OWL FIELD SURVEY-Elim Gulch 2009-Calls 7,8,9

* No calls in 2006 and 2007 due to energy and time constraints

LANDOWNER **BERRY** DFG TERRITORY NO. NSO0104 SON CALL # **7** OBSERVERS **Jim Berry & BRIDGIE**

GENERAL LOCATION **ELIM GULCH** COUNTY **Sonoma** Quad Name **Cazadero** (7.5 Min. & NAD 27) T- **8N** R- **11W**
SECS. **20**

DATE @ START **15 April 2009** START TIME (2400 clock): **2144** END TIME: **2245** TOTAL TIME: **61**

HABITAT TYPE : **Redwood , Douglas Fir, Tanoak, Bay, Huckleberry** long beard lichen 100+ sp. plants WHR 5

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **56° F**

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|--|--|--|---|
| 2400 clock | | | | |
| 2144 | Duby landing at road end | P | N/A | NO NSO RESPONSE |
| 2159 | Rwd. Hollow | P | N/A | NO NSO RESPONSE |
| 2215 | Top of slide | P | N/A | NO NSO RESPONSE 57-S. Parmeter dog |
| 2235 | 24 Culvert 1/4 mile up Elim | P | N/A | NO NSO RESPONSE 58 dog barking |

DATE @ START 17 May 2009 CALL # **8** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2201** END TIME: **2325** TOTAL TIME: **84**

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **60° F**

| | | | | |
|------|-----------------------------|---|------------|-------------------------------------|
| 2201 | Duby landing at road end | P | VOCAL ONLY | NSO RESPONSE 9 FEMALE CALLS, MALE 5 |
| 2221 | Rwd. Hollow | P | N/A | NO NSO RESPONSE |
| 2238 | Top of slide | P | N/A | NO NSO RESPONSE |
| 2315 | 24 Culvert 1/4 mile up Elim | P | N/A | NO NSO RESPONSE |

DATE @ START 29 August 2009 CALL # **9** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2153** END TIME: **2300** TOTAL TIME: **67**

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze **63° F**

| | | | | |
|------|-----------------------------|---|-----|--|
| 2153 | Duby landing at road end | P | N/A | NO NSO RESPONSE fox, cr ckets, cicadas |
| 2210 | Rwd. Hollow | P | N/A | MALE RESPONSE @2215 LOCATIONAL+ NO RESPONSE |
| 2228 | Top of slide | P | N/A | NO NSO RESPONSE |
| 2250 | 24 Culvert 1/4 mile up Elim | P | N/A | MALE @2256 AND SCREECH CHALLENGE --BOTH WENT QUIET AFTER I DID LOCATIONAL CALL |

SPOTTED OWL FIELD SURVEY-Elim Gulch 2010-Calls 10,11,12

* No calls in 2006 and 2007 due to energy and time constraints

LANDOWNER **BERRY** DFG TERRITORY NO. NSO0104 SON CALL # **10** OBSERVERS **Jim Berry & BRIDGIE**

GENERAL LOCATION **ELIM GULCH** COUNTY **Sonoma** Quad Name **Cazadero** (7.5 Min & NAD 27) T-**8N** R-**11W**
SECS. **20**

DATE @ START **18 April 2010** START TIME (2400 clock): **2030** END TIME: **2138** TOTAL TIME: **68**

HABITAT TYPE: **Redwood, Douglas Fir, Tanoak, Bay, Huckleberry** long beard lichen 100+ sp. plants WHR 5

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **56° F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2030 2047 | Duby landing at road end Rwd. Hollow | P P | N/A N/A | NO NSO RESPONSE MALE NSO DUAL FROM 2054 TO 2109-NON-STANDARD SOUNDS-MOVED TO TREE ABOVE ME-FEMALE RESPONDED TO FEMALE CALL UNTIL MALE STARTED NO NSO RESPONSE |
| 2123 TO 2138 | Top of slide | P | N/A | NO NSO RESPONSE |

DATE @ START **8 May 2010** CALL # **11** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2144** END TIME: **2254** TOTAL TIME: **70**

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **60° F**

| | | | | |
|------|---------------------------|---|------------|-----------------|
| 2144 | Duby landing at road end | P | VOCAL ONLY | NO NSO RESPONSE |
| 2301 | Rwd. Hollow | P | N/A | NO NSO RESPONSE |
| 2223 | Top of slide | P | N/A | NO NSO RESPONSE |
| 2244 | 24 Culvert ¼ mile up Elim | P | N/A | NO NSO RESPONSE |

DATE @ START **3 & 4 August 2010** CALL # **12** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2153** END TIME: **2310+** TOTAL TIME: **67**

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze **63° F**

| | | | | |
|------|--------------------------|---|-----|--|
| 2211 | Duby landing at road end | P | N/A | NO NSO RESPONSE |
| 2237 | Rwd. Hollow | P | N/A | NO NSO RESPONSE |
| 2300 | Top of slide | P | N/A | FLEDGLING NSO RESPONSE & HE WENT TO 8' DF- 30 MINUTE CALL--NEXT DAY @ 1433, HE CALLED EVERY 10 SECONDS & FEMALE AND MALE A FEW TIMES |

SPOTTED OWL FIELD SURVEY-Elim Gulch 2011-Calls 13,14,15

* No calls in 2006 and 2007 due to energy and time constraints

LANDOWNER **BERRY** DFG TERRITORY NO. NSO0104 SON CALL # **13** OBSERVERS **Jim Berry & BRIDGIE**

GENERAL LOCATION ELIM GULCH COUNTY **Sonoma** Quad Name Cazadero (7.5 Min & NAD 27) T- **8N** R- **11W**
SECS. **20**

DATE @ START **28 April 2011** START TIME (2400 clock): **2119** END TIME: **2256** TOTAL TIME: **68**

HABITAT TYPE: **Redwood, Douglas Fir, Tanoak, Bay, Huckleberry** long beard lichen 100+ sp. plants WHR 5

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **56° F**

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|---|---------------------------------------|---|
| 2400 clock | | | | |
| 2030 2041 | Duby landing at road end Rwd. Hollow | P P | N/A V & O | NO NSO RESPONSE MALE NSO @2144 DID 6 STATIONS AROUND ME--HE LEFT AFTER I SHINED BRIGHT FLASHLIGHT ON HIM |
| 2119 | Top of slide Upper Elim No further calls required | P P | N/A | MALE FOLLOWED ME TO LAST YEAR'S NEST NO NSO RESPONSE |

DATE @ START 15 June 2011 CALL # **14** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2144** END TIME: **2254** TOTAL TIME: **70**

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **60° F**

| | | | | |
|--------------------|---|------------------|-------|---|
| 2205 To 2225 | Ridge 500' south of AC No further calls required | P P P P | V & O | At 2215, female began nonstop shrieking with even cadence of 3 or 4 note calls. Some of the one note calls were locational calls. This continued until 2300. She came back to former (nest tree?) as Jim left. No response from male who was likely on a "fly about" for tasty packrat. |
|--------------------|---|------------------|-------|---|

DATE @ START 20 July 2011 CALL # **15** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2210** END TIME: **2310+** TOTAL TIME: **67**

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze **63° F**

| | | | | |
|-----------------|-----------------------|---|------------------------|---|
| 2210 | Top of slide | P | N/A | NO NSO Response from last year's ACTIVITY CENTER |
| 2225 TO 2250 | Ridge past Rwd Hollow | P | V & O, male and female | Male called from about 500' south with typical male call. When Jim arrived near him he kept moving higher in the DF nearby. After a few minutes he switched to fledgling locational call with some male calls. He used 3 note calls twice in succession. Female did locational calls and many call variations. The male and female were high in 36" DF 40 above me and on each side of me. They continued calling as I left. Used the Mighty Atom 15 digital caller for 25 minutes. They were not bothered by Steve Parmeter's dog barking. Heard more locational calls than ever but no sign of fledgling. |

SPOTTED OWL FIELD SURVEY-Elim Gulch 2012-13-Calls 16,17,18

* No calls in 2006 and 2007 due to energy and time constraints

LANDOWNER **BERRY** DFG TERRITORY NO. NSO0104 SON CALL # **16** OBSERVERS **Jim Berry & BRIDGIE**

GENERAL LOCATION **ELIM GULCH** COUNTY **Sonoma** Quad Name **Cazadero** (7.5 Min. & NAD 27) T- **8N** R- **11W**
SECS. **20**

DATE @ START **30 April 2012** START TIME (2400 clock): **2129** END TIME: **2256** TOTAL TIME: **68**

HABITAT TYPE: **Redwood, Douglas Fir, Tanoak, Bay, Huckleberry** long beard lichen 100+ sp. plants WHR 5

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **56° F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2129 | Duby landing at road end | P | V & O | FEMALE AT 2137 IN MEDIUM DF- SAWWHETT TOWARD AUSTIN CREEK |
| 2143 | Rwd. Hollow | P | V & O | FEMALE CIRLING ME AND DOING LOCATIONAL CALLS |
| 2203 | Top of slide No further calls required | P | N/A | NO NSO RESPONSE AT AC |

DATE @ START **29 May 2012** CALL # **17** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2144** END TIME: **2254** TOTAL TIME: **70**

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **60° F**

| | | | | |
|------|------------------|---|-------|------------------------|
| 2250 | 500' south of AC | P | N/A | No response |
| 2310 | Duby landing | P | V & O | Male NSO |
| 2325 | Rwd. Hollow | P | V | Male NSO |
| 2340 | Activity Center | P | V | Male NSO @2348 to 2354 |

DATE @ START **20 May 2013** CALL # **18** OBSERVERS **Jim Berry & Bridgie**

START TIME (2400 clock): **2242** END TIME: **2312** TOTAL TIME: **70**

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **60° F**

| | | | | |
|------|-----------------|---|-------|-------------------------|
| 2242 | Duby landing | P | VOCAL | Male NSO @2252& screech |
| 2302 | Activity Center | P | N/A | NO NSO RESPONSE |

SPOTTED OWL FIELD SURVEY-Coon Gulch 2001-Calls 1,2,3

Quad Name Cazadero 7.5 Min X LANDOWNER Berry (Coon Gulch) DFG TERRITORY NO. None known

CALL # 1 OBSERVERS Michael Allred DATE @ START 8 June 2001

GENERAL LOCATION East Austin Creek COUNTY Sonoma T- 8N R- 11W SECS. 22

START TIME (2400 clock): 2030 END TIME: 2153 TOTAL TIME: 83

HABITAT TYPE : Redwood , Douglas Fir, Tanoak, White oak

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 56° F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------|---|---|---------------------------------------|---|
| 2030 | STATION A | P | N/A | NO RESPONSE |
| 2045 | STATION B | P | N/A | NO RESPONSE |
| 2104 | STATION C | P | N/A | NO RESPONSE - STARS OUT |
| 2125 | STATION D | P | N/A | NO RESPONSE - STARS OUT |
| 2143 | STATION E | P | N/A | NO RESPONSE - FROGS |

DATE @ START 30 June 2001 CALL # 2 OBSERVERS Mike Allred

START TIME (2400 clock): 2030 END TIME: 2158 TOTAL TIME: 88

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 60° F

| | | | | |
|------|-----------|---|-----|---|
| 2030 | STATION A | P | N/A | NO RESPONSE - PILEATED |
| 2044 | STATION B | P | N/A | WOODPECKER |
| 2109 | STATION C | P | N/A | NO RESPONSE - CROW |
| 2129 | STATION D | P | N/A | NO RESPONSE - SCREECH OWL |
| 2148 | STATION E | P | N/A | NO RESPONSE - SCREECH OWL NO RESPONSE - BOY SCOUT CAMP |

DATE @ START 21 July 2001 CALL # 3 OBSERVERS Mike Allred

START TIME (2400 clock): 2035 END TIME: 2150 TOTAL TIME: 75

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze 63° F

| | | | | |
|------|-----------|---|-----|---------------------------|
| 2035 | STATION A | P | N/A | NO RESPONSE - CROW |
| 2055 | STATION B | P | N/A | NO RESPONSE |
| 2115 | STATION C | P | N/A | NO RESPONSE - SCREECH OWL |
| 2130 | STATION D | P | N/A | NO RESPONSE |
| 2140 | STATION E | P | N/A | NO RESPONSE - BOY SCOUTS |

SPOTTED OWL FIELD SURVEY-Coon Gulch 2007-Calls 4,5,6

LANDOWNER Berry (Coon Gulch) DFG TERRITORY NO. None known OBSERVERS Jim Berry

GENERAL LOCATION East Austin Creek COUNTY Sonoma T- 8N R- 11W SECS. 22

DATE @ START 24 May 2007

START TIME (2400 clock): 2015 END TIME: 2207 TOTAL TIME: 52

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 57 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|---|--|
| 2400 clock | | | | |
| 2015 | STATION Upper Coon Gulch | P | N/A | NO RESPONSE Pygmy stopped |
| 2045 | STATION Lower Coon Gulch | P | N/A | acalling t first NSO call-distant dogs-constant noise from SOD debris drop NO NSO RESPONSE-loud frogs in E. Austin |
| 2157 | STATION Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE loud frogs upstream |

DATE @ START 13 August 2007 CALL # 5 OBSERVERS JIM BERRY

START TIME (2400 clock): 2155 END TIME: 2239 TOTAL TIME: 44

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 56 degrees F

| | | | | |
|------|---------------------------------|---|-----|--------------------------------|
| 2155 | STATION Upper Coon Gulch | P | N/A | NO NSO RESPONSE tree frogs and |
| 2215 | STATION Lower Coon Gulch | P | N/A | crickets |
| 2229 | STATION Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE- |
| | | | | NO NSO RESPONSE |

DATE @ START 23 August 2007 CALL # 6 OBSERVERS Mike Allred

START TIME (2400 clock): 2035 END TIME: 2140 TOTAL TIME: 65

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze

| | | | | |
|------|-------------------------|---|-----|-------------------|
| 2035 | Upper Coon Gulch | P | N/A | NO NSO RESPONSE - |
| 2055 | Lower Coon Gulch | P | N/A | NO NSO RESPONSE |
| 2115 | Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE - |

SPOTTED OWL FIELD SURVEY-Coon Gulch 2008-Calls 7,8,9

Quad Name Cazadero 7.5 Min X HABITAT TYPE : Redwood , Douglas Fir, Tanoak, White oak
 LANDOWNER Berry (Coon Gulch) DFG TERRITORY NO. None Known
 GENERAL LOCATION East Austin Creek COUNTY Sonoma T- 8N R 11W SECS. 22
 DATE @ START 9 May 2008 CALL # 7 OBSERVERS Jim Berry
 START TIME (2400 clock): 2105 END TIME: 2207 TOTAL TIME: 62
 WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 57 degrees F

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------|---|---|---------------------------------------|---|
| 2105 | STATION Upper Coon Gl. | P | N/A | NO NSO RESPONSE - |
| 2045 | STATION Lower Coon Gl. | P | N/A | NO NSO RESPONSE |
| 2157 | STATION Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE - |

DATE @ START 13 August 2008 CALL # 8 OBSERVERS JIM BERRY
 START TIME (2400 clock): 2120 END TIME: 2205 TOTAL TIME: 45
 WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 56 F

| | | | | |
|------|---------------------------------|---|-----|---|
| 2155 | STATION Upper Coon Gulch | P | N/A | NO NSO RESPONSE tree frogs and crickets |
| 2120 | STATION Lower Coon Gulch | C | N/A | NO NSO RESPONSE- continuous call up Coon Gulch to Ruffino |
| 2145 | STATION Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE |

DATE @ START 27 August 2008 CALL # 9 OBSERVERS JIM BERRY

START TIME (2400 clock): 2117 END TIME: 2220 TOTAL TIME: 65

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze

| | | | | |
|------|-------------------------|---|-----|---|
| 2117 | Upper Coon Gulch | P | V | MALE NSO CALLED 25 TIMES AT COON GULCH FORK FROM 2125- IN LARGE RWD. |
| 2148 | Lower Coon Gulch | P | V | MALE NSO FOLLOWED TO LOWER COON CALLING ALL THE WAY |
| 2210 | Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE - SCREECH CALLED UNTIL FIRST CALL BY NSO FROM E. AUSTIN OPPOSITE COON GULCH |

SPOTTED OWL FIELD SURVEY-Coon Gulch 2009-Calls 10,11,12

LANDOWNER Berry (Coon Gulch) DFG TERRITORY NO. None Known CALL # 10 OBSERVERS Jim Berry

GENERAL LOCATION East Austin Creek COUNTY Sonoma Quad Name Cazadero (7.5 Min & NAD 27)

T- 8N R- 11W SECS. 22 Latitude: 38.

DATE @ START 13 March 2009 START TIME (2400 clock): 2100 END TIME: 2139 TOTAL TIME: 39

HABITAT TYPE: Redwood Coast mesic, Douglas Fir, Tanoak, White oak, Rwd.

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V)or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|---|
| 2100 | STATION Upper Coon Gulch | P | N/A | NO NSO RESPONSE - <u>5 barred owl calls before Jim called</u> |
| 2115 | STATION Lower Coon Gulch | P | N/A | NO NSO RESPONSE Screech owl called for 10 minutes |
| 2129 | STATION Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE - <u>1 Barred owl call</u> |

DATE @ START 9 MAY 2009 CALL # 11 OBSERVERS JIM BERRY

START TIME (2400 clock): 2127 END TIME: 2211 TOTAL TIME: 44

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no 56 degrees F

| | | | | |
|------|---------------------------------|---|-----|------------------------------------|
| 2127 | STATION Upper Coon Gulch | P | N/A | NO NSO RESPONSE Screech owl called |
| 2147 | STATION Lower Coon Gulch | P | N/A | NO NSO RESPONSE- |
| 2201 | STATION Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE |

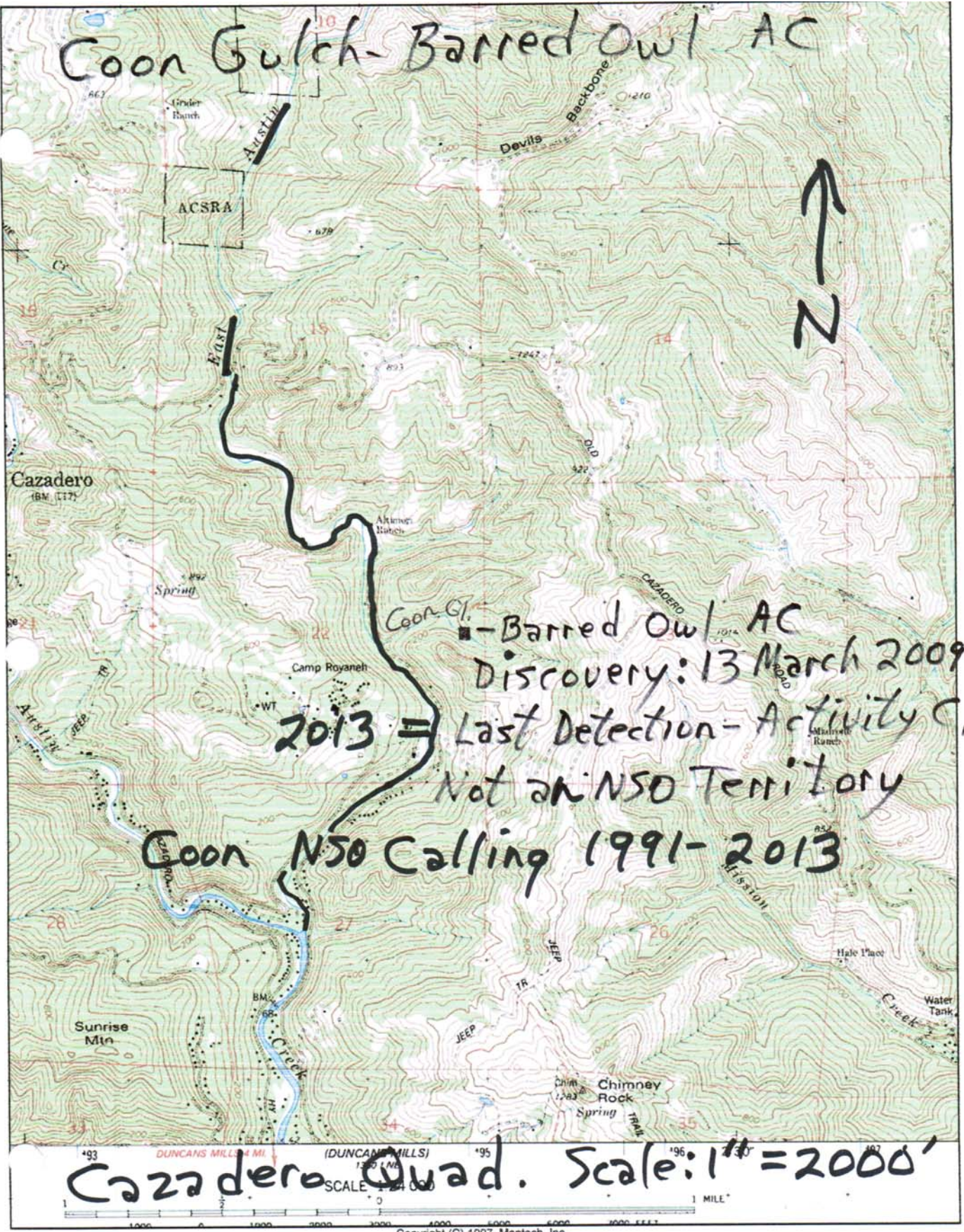
DATE @ START 24 June 2009 CALL # 12 OBSERVERS JIM BERRY

START TIME (2400 clock): 2137 END TIME: 2222 TOTAL TIME: 45

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze

| | | | | |
|------|-------------------------|---|---|--|
| 2137 | Upper Coon Gulch | P | V | No NSO Response |
| 2155 | Lower Coon Gulch | P | V | No NSO Response <u>Barred Called at 2156 opposite coon Gulch on Camp Royaneh</u> |
| 2212 | Racey Tree on E. Austin | P | V | No NSO Response |

Coon Gulch - Barred Owl AC



Coon Gl. - Barred Owl AC
Discovery: 13 March 2009
2013 = Last Detection - Activity C,
Not an NSO Territory

Coon NSO Calling 1991-2013

Cazadero Quad. Scale: 1" = 2000'

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NSO-BARRED FIELD SURVEY-Coon Gulch 2010-Calls -13,14,15

Quad Name Cazadero 7.5 Min X LANDOWNER Berry (Coon Gulch) DFG TERRITORY NO. None Known
 GENERAL LOCATION East Austin Creek COUNTY Sonoma T- 8N R- 11W SECS. 22
 DATE @ START March 22, 2010 OBSERVERS Jim Berry CALL # 13
 START TIME (2400 clock): 2051 END TIME: 2134 TOTAL TIME: 43

HABITAT TYPE: Redwood, Douglas Fir, Tanoak, White oak

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm
 breeze no

| TIME | LOCATION | CALLING METHOD | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS |
|------------|---|---|---------------------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | Leap Frog = LF Point = P Cruise = C | | (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
| 2051 | STATION Upper Coon Gulch | P | N/A | NO NSO RESPONSE |
| 2109 | STATION Lower Coon Gulch | P | N/A | NO NSO RESPONSE Distant Screech owl |
| 2124 | STATION Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE |

DATE @ START April 17, 2010 CALL # 14 OBSERVERS JIM BERRY

START TIME (2400 clock): 2137 END TIME: 2315 TOTAL TIME: 38

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|---------------------------------|---|-----|---------------------------------|
| 2137 | STATION Upper Coon Gulch | P | N/A | NO NSO RESPONSE |
| 2252 | STATION Lower Coon Gulch | P | N/A | NO NSO RESPONSE- |
| 2305 | STATION Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE -NO FAUNA NOISE |

DATE @ START May 31, 2010 CALL # 15 OBSERVERS JIM BERRY

START TIME (2400 clock): 2200 END TIME: 2304 TOTAL TIME: 64

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze

| | | | | |
|------|-------------------------|---|-------|---|
| 2200 | Upper Coon Gulch | P | V | No NSO Response |
| 2219 | Lower Coon Gulch | P | V & O | No NSO BUT BARRED OWL PAIR RESPONDED AFTER 10 MINUTES FROM 2229 TO 2249 -BARRED OWL PAIR STAYED TOGETHER AND CIRCLED ME AND ATTACKED CALLER |
| 2254 | Racey Tree on E. Austin | P | V | HEARD FROM RACEY TREE |

NSO FIELD SURVEY-Coon Gulch 2011-Calls 16,17,18

LANDOWNER Berry (Coon Gulch) CALL # 16 OBSERVERS Jim Berry
 GENERAL LOCATION East Austin Creek COUNTY Sonoma Quad Name Cazadero (7.5 Minute & NAD 27) T- 8N
 R- 11W SECS. 22 DFG TERRITORY NO. None Known
 DATE @ START 1 April 2011 START TIME (2400 clock): 2055 END TIME: 2146 TOTAL TIME: 51
 HABITAT TYPE : Redwood Coast , Douglas Fir, Tanoak, White oak
 WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|---|---|
| 2400 clock | | | | |
| 2055 | STATION Upper Coon Gulch | P | N/A | NO NSO RESPONSE -Coon Gulch sound |
| 2115 | STATION Lower Coon Gulch | P | N/A | NO NSO RESPONSE-- all quiet |
| 2136 | STATION Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE -all quiet |

DATE @ START 20 May 2011 CALL # 17 OBSERVERS JIM BERRY
 START TIME (2400 clock): 2226 END TIME: 2309 TOTAL TIME: 43
 WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|------------------------------------|---|-----|--|
| 2226 | STATION Upper Coon Gulch | P | N/A | NO NSO RESPONSE |
| 2242 | STATION Lower Coon Gulch | P | N/A | NO NSO RESPONSE- LOUD YELLOW-LEGGED FROGS |
| 2259 | STATION Racey Tree on E. Austin | P | N/A | NO NSO RESPONSE LOUD YELLOW-LEGGED FROGS |

DATE @ START 17 July 2011 CALL # 18 OBSERVERS JIM BERRY
 START TIME (2400 clock): 2147 END TIME: 2257 TOTAL TIME: 70

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|-------------------------|---|--|--------------------------------------|
| 2147 | Upper Coon Gulch | P | | No NSO Response-night insects |
| 2235 | Lower Coon Gulch | P | | No NSO response-Yellow- legged frogs |
| 2247 | Racey Tree on E. Austin | P | | No NSO response-Yellow-legged frogs |

Begin Chadwick NSO call logs -1992+

NORTHERN SPOTTED OWL SURVEY-*Chadwick 1992 Calls 1,2,3*

LANDOWNER **Berry (Chadwick) NTMP# Pending** DFG TERRITORY NO. SON 0036 (confirmed by Wooster this year) CALL # 1
 OBSERVERS JIM BERRY

GENERAL LOCATION **One mile east of Ft. Ross School** COUNTY Sonoma Quad Name PLANTATION (7.5 Min. & NAD 27)
 T- 8N R- 13W SECS. 11& 12

DATE @ START 19 March 1992 START TIME (2400 clock): 1835 END TIME: 2300 TOTAL TIME: 265

HABITAT TYPE: **Redwood, Douglas Fir, Tanoak, Huckleberry**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm **breeze** no **53-58°F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|---|
| 2050 | STATION A NORTH 40 | P | N/A | NO NSO RESPONSE |
| 2022 | STATION B SPRING | P | N/A | NO NSO RESPONSE |
| 2030 | STATION C LANDING @ OSPREY | P | N/A | NO NSO RESPONSE |
| 1930 | STATION D LANDING NEAR PONDS | P | N/A | NO NSO RESPONSE |
| 1915 | STATION E-BEN. BRITTON CARVING | P | N/A | NO NSO RESPONSE |
| 1835 | STATION F OLD POT PATCH | P | N/A | NO NSO RESPONSE |
| 1940 | STATION G LAND. @ 1/4 CORNER | P | N/A | NO NSO RESPONSE |
| 2250 | STATION H ORCHARD & RUINS | P | N/A | NO NSO RESPONSE |

DATE @ START 26 March 1992 CALL # 2 OBSERVERS Jim Berry

START TIME (2400 clock): 1935 END TIME: 2300 TOTAL TIME: 205

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm **breeze** no **53-56°F**

| TIME 2400 CLOCK | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2045 | STATION A NORTH 40 | P | N/A | NO NSO RESPONSE |
| 2104 | STATION B SPRING | P | N/A | NO NSO RESPONSE |
| 2030 | STATION C LANDING @ OSPREY | P | N/A | NO NSO RESPONSE |
| 1935 | STATION D LANDING NEAR PONDS | P | N/A | NO NSO RESPONSE |
| 1955 | STATION E-BEN. BRITTON CARVING | P | N/A | NO NSO RESPONSE |
| 2010 | STATION F OLD POT PATCH | P | N/A | NO NSO RESPONSE |
| 1915 | STATION G LAND. @ 1/4 CORNER | P | N/A | NO NSO RESPONSE |
| 2250 | STATION H ORCHARD & RUINS | P | N/A | NO NSO RESPONSE |

DATE @ START 27 November 1992 CALL # 3 OBSERVERS Jim Berry

START TIME (2400 clock): 1958 END TIME: 2230 TOTAL TIME: 152

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze **45° - 50°F**

| TIME 2400 CLOCK | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|---|
| 2040 | STATION A NORTH 40 | P | N/A | NO NSO RESPONSE |
| 2100 | STATION B SPRING | P | N/A | NO NSO RESPONSE |
| 2120 | STATION C LANDING @ OSPREY | P | N/A | NO NSO RESPONSE |
| 1958 | STATION D LANDING NEAR PONDS | P | N/A | NO NSO RESPONSE |
| 2140 | STATION E-BEN. BRITTON CARVING | P | N/A | NO NSO RESPONSE |
| 2120 | STATION F OLD POT PATCH | P | N/A | NO NSO RESPONSE |
| 2220 | STATION G LAND. @ 1/4 CORNER | P | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY-Chadwick 2001 Calls 4,5,6

LANDOWNER **Berry (Chadwick)** NTMP# Pending DFG TERRITORY NO. SON 0036 OBSERVERS Mike Allred CALL # 4

GENERAL LOCATION **One mile east of Ft. Ross School** COUNTY Sonoma Quad Name PLANTATION 7 1/2 MINUTE (NAD 27) T- 8N
R- 13W SECS. 11& 12

DATE @ START 26 May 2001 START TIME (2400 clock): 2030 END TIME: 2324 TOTAL TIME: 174

HABITAT TYPE: **Redwood, Douglas Fir, Tanoak, Huckleberry** WHR 4 & 5

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 49°F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2030 | STATION 1 EAST SIDE | P | N/A | NO RESPONSE |
| 2104 | STATION 2 SPRING | P | N/A | NO RESPONSE |
| 2120 | STATION 3 LANDING | P | N/A | NO RESPONSE |
| 2136 | STATION 4 BACKHOE | P | N/A | NO RESPONSE |
| 2153 | STATION 5 | P | N/A | NO RESPONSE |
| 2209 | STATION 6 OLD POT PATCH | P | N/A | NO RESPONSE - DOG BARKING |
| 2225 | STATION 7 ORCHARD | P | N/A | NO RESPONSE |
| 2241 | STATION 8 BOTTOM LANDING | P | N/A | NO RESPONSE - SAW SKUNK |
| 2301 | STATION 9 | P | N/A | NO RESPONSE |
| 2314 | STATION 10 #3 LANDING | P | N/A | NO RESPONSE |

DATE @ START 19 June 2001 CALL # 5 OBSERVERS Mike Allred

START TIME (2400 clock): 2030 END TIME: 2321 TOTAL TIME: 171

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no 72°F

| | | | | |
|------|--------------------------|---|-----|----------------------------|
| 2030 | STATION 1 EAST SIDE | P | N/A | NO RESPONSE |
| 2050 | STATION 2 SPRING | P | N/A | NO RESPONSE |
| 2106 | STATION 3 LANDING | P | N/A | NO RESPONSE |
| 2123 | STATION 4 BACKHOE | P | N/A | NO RESPONSE |
| 2140 | STATION 5 | P | N/A | NO RESPONSE |
| 2156 | STATION 6 OLD POT PATCH | P | N/A | NO RESPONSE |
| 2211 | STATION 7 ORCHARD | P | N/A | NO RESPONSE |
| 2227 | STATION 8 BOTTOM LANDING | P | N/A | NO RESPONSE - SKUNK |
| 2248 | STATION 9 | P | N/A | NO RESPONSE - DOGS BARKING |
| 2311 | STATION 10 #3 LANDING | P | N/A | NO RESPONSE |

DATE @ START 13 August 2001 CALL # 6 OBSERVERS Mike Allred

START TIME (2400 clock): 2030 END TIME: 2216 TOTAL TIME: 106

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze 59° - 62°F

| | | | | |
|------|--------------------------|---|-----|--|
| 2030 | STATION 1 EAST SIDE | p | N/A | NO RESPONSE - dog barking |
| 2051 | STATION 2 SPRING | p | N/A | NO RESPONSE |
| 2109 | STATION 3 LANDING | p | N/A | NO RESPONSE |
| 2124 | STATION 4 BACKHOE | p | N/A | NO RESPONSE |
| 2142 | STATION 5 | p | N/A | NO RESPONSE |
| 2158 | STATION 6 OLD POT PATCH | p | N/A | NO RESPONSE |
| 2215 | STATION 7 ORCHARD | p | N/A | NO RESPONSE - shooting star, screech owl |
| 2230 | STATION 8 BOTTOM LANDING | p | N/A | NO RESPONSE |
| 2251 | STATION 9 | p | N/A | NO RESPONSE |
| 2206 | STATION 10 #3 LANDING | p | N/A | NO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY-*Chadwick 2007 Calls 7,8,9*

LANDOWNER Berry NTMP#Pending DFG TERRITORY NO. SON 0036 (1992 TERRITORY LIKELY ABANDONED) CALL # 7
 OBSERVERS Jim Berry
 GENERAL LOCATION One mile east of Ft. Ross School COUNTY Sonoma Quad Name PLANTATION 7.5 Min T- 8N R- 13W
 SECS. 11 & 12

DATE @ START 27 April 2007 START TIME (2400 clock): 2132 END TIME: 2336 TOTAL TIME: 91

HABITAT TYPE: Redwood, Douglas Fir, Tanoak, Huckleberry WHR 4 and 5

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2132 | NEAR ROSSON -W. OF HATH. 40 | P | N/A | NO NSO RESPONSE |
| 2148 | TIMBER COVE CREEK -36" CULVERTS | P | N/A | NO NSO RESPONSE -SEA LIONS |
| 2217 | ACROSS FROM 1/4 CORNER | P | N/A | NO NSO RESPONSE SEA LIONS |
| 2234 | LANDING 2 ND FROM BOTTOM | P | N/A | NO NSO RESPONSE |
| 2310 | 18 INCH CULVERT-KOLMER | P | N/A | NO NSO RESPONSE |
| 2326 | RIDGE SPRINGS AT ROCK PIT | P | N/A | NO NSO RESPONSE 70 DEGREES |

DATE @ START 28 July 2007 CALL # 8 OBSERVERS Jim Berry

START TIME (2400 clock): 2108 END TIME: 2237 TOTAL TIME 113

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-----------------------------------|---|-----|-----------------|
| 2108 | RIDGE SPRINGS | P | N/A | NO NSO RESPONSE |
| 2128 | 18 INCH CULVERT | P | N/A | NO NSO RESPONSE |
| 2149 | NEAR 1/4 CORNER-FLAT RD. | P | N/A | NO NSO RESPONSE |
| 2210 | 2-36" CULVERTS AT TIMBER COVE CR. | P | N/A | NO NSO RESPONSE |
| 2227 | NEAR ROSSON -WEST 40 | P | N/A | NO NSO RESPONSE |

DATE @ START 27 August 2007 CALL # 9 OBSERVERS Jim Berry

START TIME (2400 clock): 2132 END TIME: 2336 TOTAL TIME: 124

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-----------------------------------|---|-----|----------------------------|
| 2232 | W EDGE OF HATHWAY 40 | P | N/A | NO NSO RESPONSE 67 degrees |
| 2148 | TIMBER COVE CREEK 36 V. RWD. | P | N/A | NO NSO RESPONSE-SEA LIONS |
| 2217 | SWALE ON ROAD FLAT | P | N/A | NO NSO RESPONSE - 70 DEG. |
| 2234 | LANDING #2 ON CHADWICK | P | N/A | NO NSO RESPONSE |
| 2310 | 18 CULVERT-KOLMER FORK | P | N/A | NO NSO RESPONSE-CRICKETS |
| 2326 | 24 CULVERT AT ROCK PIT AND SPRING | P | N/A | NO NSO RESPONSE |

Northern SPOTTED OWL FIELD SURVEY-Chadwick 2008 Calls 10,11,12

LANDOWNER Berry (Chadwick) NTMP#Pending DFG TERRITORY NO. SON 0036- OBSERVERS Jim Berry & Kaity Berry

GENERAL LOCATION One mile east of Ft. Ross School COUNTY Sonoma Quad Name PLANTATION 7.5 Min (NAD 27) T-8N R- 13W SECS. 11& 12

DATE @ START 23 July 2008 CALL # 10 START TIME (2400 clock): 2109 END TIME: 2347 TOTAL TIME: 98

HABITAT TYPE: Redwood Coast Mesic, Douglas Fir, Tanoak, Huckleberry WHR 4 & 5

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|--|--|
| 2400 clock | | | | |
| 2219 | RIDGE SPRINGS | P | N/A | NO NSO RESPONSE- GENTLE BREAKER |
| 2237 | 18 INCH CULVERT | P | N/A | NO NSO RESPONSE -GENTLE BREAKER |
| 2252 | ACROSS FROM 1/4 CORNER | P | N/A | NOISE |
| 2319 | 2-36" CULVERTS AT TIMBER COVE CR. | P | N/A | NO NSO RESPONSE |
| 2337 | NEAR ROSSON -WEST 40 | P | N/A | NO NSO RESPONSE |

DATE @ START 18 August 2008 CALL # 11 OBSERVERS Jim Berry

START TIME (2400 clock): 2108 END TIME: 2237 TOTAL TIME: 89

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze no

| | | | | |
|------|--------------------------------------|---|-----|-----------------|
| 2108 | RIDGE SPRINGS | P | N/A | NO NSO RESPONSE |
| 2128 | 18 INCH CULVERT | P | N/A | NO NSO RESPONSE |
| 2149 | NEAR 1/4 CORNER-FLAT RD. | P | N/A | NO NSO RESPONSE |
| 2210 | 2-36" CULVERTS AT TIMBER COVE CR. | P | N/A | NO NSO RESPONSE |
| 2227 | NEAR ROSSON -WEST 40 | P | N/A | NO NSO RESPONSE |

DATE @ START 23 August 2008 CALL # 12 OBSERVERS Jim Berry and Kaity Berry

START TIME (2400 clock): 2112 END TIME: 2237 TOTAL TIME: 85

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|--------------------------------------|---|-----|--|
| 2112 | RIDGE SPRINGS | p | N/A | NO NSO RESPONSE |
| 2127 | 18 INCH CULVERT | p | N/A | NO NSO RESPONSE |
| 2146 | ACROSS FROM 1/4 CORNER | p | N/A | NO NSO RESPONSE-7 Great Horned calls until KGB accidentally bumped horn |
| 2209 | 2-36" CULVERTS AT TIMBER COVE CR. | p | N/A | NO NSO RESPONSE |
| 2227 | NEAR ROSSON -WEST 40 | p | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY-Chadwick 2009 Calls 13,14,15

LANDOWNER Berry (Chadwick) NTMP#Pending DFG TERRITORY NO. SON 0036 (1992 only) OBSERVERS Jim Berry & Kaity Berry

GENERAL LOCATION One mile east of Ft. Ross School COUNTY Sonoma Quad Name PLANTATION 7.5 Min. (NAD 27) T-8N R- 13W SECS. 11& 12

DATE @ START 5 April 2009 CALL # 13 START TIME (2400 clock): 2055 END TIME: 2212 TOTAL TIME: 77

HABITAT TYPE: Redwood, Douglas Fir, Tanoak, Huckleberry WHR 4 & 5 Mild, moonlit night

WEATHER (BOLD): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (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 | RIDGE SPRINGS | P | N/A | NO NSO RESPONSE - GENTLE BREAKER |
| 2111 | 18 INCH CULVERT | P | N/A | NO NSO RESPONSE - GENTLE BREAKER |
| 2128 | ACROSS FROM 1/4 CORNER | P | N/A | NOISE |
| 2348 | 2-36" CULVERTS AT TIMBER COVE CR. 15 GPM | P | N/A | NO NSO RESPONSE |
| 2202 | NEAR ROSSON -WEST 40 | P | N/A | NO NSO RESPONSE |

DATE @ START 10 June 2009 CALL # 14 OBSERVERS Jim Berry and Kaity Berry

START TIME (2400 clock): 2117 END TIME: 2300 TOTAL TIME: 103

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze no

| | | | | |
|------|--------------------------------------|---|-----|-----------------|
| 2117 | RIDGE SPRINGS | P | N/A | NO NSO RESPONSE |
| 2133 | 18 INCH CULVERT | P | N/A | NO NSO RESPONSE |
| 2154 | NEAR 1/4 CORNER-FLAT RD. | P | N/A | NO NSO RESPONSE |
| 2234 | 2-36" CULVERTS AT TIMBER COVE CR. | P | N/A | NO NSO RESPONSE |
| 2250 | NEAR ROSSON -WEST 40 | P | N/A | NO NSO RESPONSE |

DATE @ START 23 August 2008 CALL # 12 OBSERVERS Jim Berry and Kaity Berry

START TIME (2400 clock): 2117 END TIME: 2258 TOTAL TIME: 94

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|-----------------------------------|---|-----|--|
| 2224 | NEAR ROSSON -WEST 40 | p | N/A | NO NSO RESPONSE |
| 2238 | HATHWAY CABIN RUINS LANDING | p | N/A | NO NSO RESPONSE |
| 2117 | 18 INCH CULVERT | p | N/A | NO NSO RESPONSE - 7 Great Horned calls until KGB accidently bumped horn |
| 2333 | LANDING | p | N/A | |
| 2348 | RIDGE SPRINGS NORTH OF SEAVIEW | p | N/A | NO NSO RESPONSE UNKNOWN NOISE |

Northern SPOTTED OWL FIELD SURVEY Chadwick 2010, Calls 16,17,18

LANDOWNER Berry (Chadwick) NTMP#Pending DFG TERRITORY NO. SON 0036 (1992 only) CALL # 16
 OBSERVERS Jim Berry (VOICE CALL)

GENERAL LOCATION One mile east of Ft. Ross School COUNTY Sonoma Quad Name PLANTATION 7.5 Min. (NAD 27) T- 8N
 R- 13W SECS. 11&12

DATE @ START 20 May 2010 START TIME (2400 clock): 2137 END TIME: 2312 TOTAL TIME: 85

HABITAT TYPE: Redwood coast, Douglas Fir, Tanoak, Huckleberry WHR 4 & 5

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------|---|---|--|---|
| 2400 clock | | | | |
| 2137 | RIDGE SPRINGS | P | N/A | NO NSO RESPONSE |
| 2151 | 18 INCH CULVERT | P | N/A | NO NSO RESPONSE - |
| 2211 | ACROSS FROM 1/4 CORNER | P | N/A | NO NSO RESPONSE |
| 2227 | 2-36" CULVERTS AT TIMBER COVE CR. | P | N/A | NO NSO RESPONSE |
| 2302 | NEAR ROSSON -WEST 40 | P | N/A | NO NSO RESPONSE |

DATE @ START 24 June 2010 CALL # 17 OBSERVERS JIM BERRY AND KAITY BERRY (VOICE CALL BY BOTH)
 START TIME (2400 clock): 2136 END TIME: 2317 TOTAL TIME: 101

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze no

| | | | | |
|------|-----------------------------------|---|-----|---------------------------------------|
| 2136 | RIDGE SPRINGS | P | N/A | NO NSO RESPONSE |
| 2152 | 18 INCH CULVERT | P | N/A | NO NSO RESPONSE distant dog and seals |
| 2215 | NEAR 1/4 CORNER-FLAT RD. | P | N/A | NO NSO RESPONSE |
| 2232 | REDWOOD HOLLOW | P | N/A | NO NSO RESPONSE |
| 2252 | 2-36" CULVERTS AT TIMBER COVE CR. | P | N/A | NO NSO RESPONSE |
| 2307 | NEAR ROSSON -WEST 40 | p | N/A | NO NSO RESPONSE FROGS IN SAG PONDS |

DATE @ START 4 August 2010 CALL # 18 OBSERVERS Jim Berry and Kaity Berry (VOICE CALL BY BOTH)
 START TIME (2400 clock): 2122 END TIME: 2259 TOTAL TIME: 97

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|--|---|-----|--|
| 2122 | NEAR ROSSON -WEST 40 | p | N/A | NO NSO RESPONSE LIGHT BREEZE HEARD |
| 2136 | 2-36" CULVERTS AT TIMBER COVE CR-HATHWAY RUINS | p | N/A | NO NSO RESPONSE UNKNOWN DISTANT NOISE HEARD THROUGHOUT CALLS |
| 2202 | REDWOOD HOLLOW ACROSS FROM | p | N/A | NO NSO RESPONSE NO OWLS HEARD IN 2009 |
| 2318 | 1/4 CORNER | p | N/A | NO NSO RESPONSE |
| 2232 | .18 INCH CULVERT | p | N/A | NO NSO RESPONSE |
| 2249 | RIDGE SPRINGS | p | N/A | NO NSO RESPONSE |

Northern SPOTTED OWL FIELD SURVEY Chadwick 2011 Calls 19, 20, 21

LANDOWNER Berry (Chadwick) NTMP#Pending DFG TERRITORY NO. SON 0036 (1992 only) CALL # 19
 OBSERVERS Jim Berry (VOICE CALL) GENERAL LOCATION One mile east of Ft. Ross School COUNTY Sonoma Quad Name _____
 PLANTATION (7.5 Min & NAD 27) T- 8N R- 13W SECS. 11& 12

DATE @ START 13 May 2011 START TIME (2400 clock): 2101 END TIME: 2342 TOTAL TIME: 161

HABITAT TYPE: Redwood, Douglas Fir, Tanoak, Huckleberry WHR 4& 5

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2101 | RIDGE SPRINGS | P | N/A | NO NSO RESPONSE |
| 2113 | 18 INCH CULVERT | P | | NO NSO RESPONSE - |
| 2132 | ACROSS FROM 1/4 CORNER | P | | NO NSO RESPONSE |
| 2148 | 2-36" CULVERTS AT TIMBER COVE | P | | NO NSO RESPONSE |
| 2302 | CR. | | | |
| 2313 | NEAR ROSSON -WEST 40 | P | | NO NSO RESPONSE |
| 2332 | NORTH SIDE SEAVIEW RD. | p | | NO NSO RESPONSE |

DATE @ START 11 JUNE 2011 CALL # 20 OBSERVERS JIM BERRY AND KAITY BERRY (VOICE CALL BY BOTH)

START TIME (2400 clock): 2210 END TIME: 0022 TOTAL TIME: 132

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|-------------------------------|---|-----|---------------------------------------|
| 2210 | RIDGE SPRINGS | P | N/A | NO NSO RESPONSE |
| 2224 | 18 INCH CULVERT | P | | NO NSO RESPONSE distant dog and seals |
| 2243 | NEAR 1/4 CORNER-FLAT RD. | P | | NO NSO RESPONSE |
| 2301 | REDWOOD HOLLOW | P | | NO NSO RESPONSE |
| 2232 | 2-36" CULVERTS AT TIMBER COVE | P | | NO NSO RESPONSE |
| 2348 | NEAR ROSSON -WEST 40 | P | | NO NSO RESPONSE FROGS IN SAG PONDS |
| 0012 | NORTH OF SEAVIEW RD. | P | | NO NSO RESPONSE |

DATE @ START 8 July 2011 CALL # 21 OBSERVERS Jim Berry and Kaity Berry (VOICE CALL BY BOTH)

START TIME (2400 clock): 2221 END TIME: 0020 TOTAL TIME: 119

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|----------------------------------|---|-----|---------------------------------------|
| 2221 | NEAR ROSSON -WEST 40 | p | N/A | NO NSO RESPONSE LIGHT BREEZE HEARD |
| 2237 | 2-36" CULVERTS AT TIMBER COVE CR | p | | NO NSO RESPONSE |
| 2254 | REDWOOD HOLLOW | p | | NO NSO RESPONSE NO OWLS HEARD IN 2009 |
| 2308 | LANDING | p | | NO NSO RESPONSE |
| 2323 | .18 INCH CULVERT | p | | NO NSO RESPONSE |
| 2350 | RIDGE SPRINGS | p | | NO NSO RESPONSE |
| 0010 | NORTH OF SEAVIEW RD. | p | | |

UNKNOWN DISTANT NOISE HEARD THROUGHOUT CALLS

NORTHERN SPOTTED OWL FIELD SURVEY Chadwick 2012 Call 22

LANDOWNER Berry (Chadwick) NTMP#Pending DFG TERRITORY NO. SON 0036 (1992-ABANDONED)
 CALL #22 OBSERVERS Jim Berry

GENERAL LOCATION One mile east of Ft. Ross School COUNTY Sonoma Quad Name PLANTATION (7.5 Min. & NAD 27)
 T- 8N R- 13W SECS. 11 & 12

DATE @ START 25 July 2012 START TIME (2400 clock): 2149 END TIME: 2330 TOTAL TIME: 161

HABITAT TYPE: Redwood Coast Mesic, Douglas Fir, Tanoak, Huckleberry WHR 4 & 5

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|--|---|
| 2400 clock | | | | |
| 2201 | NEAR ROSSON -WEST 40 END RD. TO RIDGE TOP | P | V & O, M & F | BARRED OWL PAIR ARRIVED AT 2159 AND CALLED UNTIL 2210-FEMALE VISIBLE 30' UP 9" DF & MALE CALLED IN A RWD NEARBY |
| 2214 | 2-36" CULV. AT TIMBER COVE CR. | P | V & O, M & F | BARRED OWL PAIR CAME AT 2217 AND CALLED AGGRESSIVELY FOR 10 MINUTES |
| 2231 | RWD. HOLLOW | P | N/A | NO OWL RESPONSE |
| 2248 | LANDING | P | N/A | NO OWL RESPONSE |
| 2308 | 18 INCH CULVERT | P | N/A | NO OWL RESPONSE |
| 2330 | RIDGE SPRINGS | P | N/A | NO OWL RESPONSE |
| 2348 | North 40 | | | NO OWL RESPONSE |

but slid a tire over the edge. Bud missed me and came walking back. I got out my nylon strap and hooked the two together. We were both iffy about success but the red Toyota got me on solid ground again. Two more waterbars was where the red Toyota had been stuck several years before and low and behold Bud got her stuck there this time. We dug on the waterbar some more and I drove back down the hill again. This time I drove both Toyotas through. Bud almost got stuck in a very juicy spot near the top springs but made it through. So ended another Cazadero caper for four local yokels.

NORTHERN SPOTTED OWL FIELD SURVEY Chadwick 2013 Calls 23,24,25

LANDOWNER Berry (Chadwick) NTMP#Pending DFG TERRITORY NO. SON 0036 OBSERVERS Jim Berry CALL # 23

GENERAL LOCATION One mile east of Ft. Ross School COUNTY Sonoma Quad Name PLANTATION (7.5 Min) NAD 27

T- 8N R- 13W SECS. 11& 12

DATE @ START 24 April 2013 START TIME (2400 clock): 2149 END TIME: 2330 TOTAL TIME: 101

HABITAT TYPE: Redwood, Douglas Fir, Tanoak, Huckleberry WHR 4 & 5

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|---|
| 2210 | RIDGE SPRINGS | P | N/A | NO NSO RESPONSE |
| 2224 | 18 INCH CULVERT | P | | NO NSO RESPONSE distant dog and seals |
| 2243 | NEAR 1/4 CORNER-FLAT RD. | P | | NO NSO RESPONSE |
| 2301 | REDWOOD HOLLOW | P | | NO NSO RESPONSE |
| 2232 | 2-36" CULVERTS AT TIMBER | P | | NO NSO RESPONSE |
| 2348 | COVE | P | | NO NSO RESPONSE FROGS IN SAG PONDS |
| 0012 | NEAR ROSSON -WEST 40 NORTH OF SEAVIEW RD. | P | | NO NSO RESPONSE |

DATE @ START 2 May 2013 CALL # 24 OBSERVERS JIM BERRY AND KAITY BERRY (VOICE CALL BY BOTH)

START TIME (2400 clock): 2210 END TIME: 0022 TOTAL TIME: 132

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze

| | | | | |
|------|--|---|-----|---------------------------------------|
| 2210 | RIDGE SPRINGS | P | N/A | NO NSO RESPONSE |
| 2224 | 18 INCH CULVERT | P | | NO NSO RESPONSE distant dog and seals |
| 2243 | NEAR 1/4 CORNER-FLAT RD. | P | | NO NSO RESPONSE |
| 2301 | REDWOOD HOLLOW | P | | NO NSO RESPONSE |
| 2232 | 2-36" CULVERTS AT TIMBER | P | | NO NSO RESPONSE |
| 2348 | COVE | P | | NO NSO RESPONSE FROGS IN SAG PONDS |
| 0012 | NEAR ROSSON -WEST 40 NORTH OF SEAVIEW RD. | P | | NO NSO RESPONSE |

DATE @ START 25 August 2013 CALL # 25 OBSERVERS Jim Berry and Kaity Berry (VOICE CALL BY BOTH)

START TIME (2400 clock): 2221 END TIME: 0020 TOTAL TIME: 119

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze

| | | | | |
|------|----------------------------------|---|-----|---------------------------------------|
| 2221 | NEAR ROSSON -WEST 40 | p | N/A | NO NSO RESPONSE LIGHT BREEZE HEARD |
| 2237 | 2-36" CULVERTS AT TIMBER COVE CR | p | | NO NSO RESPONSE |
| 2254 | REDWOOD HOLLOW | p | | NO NSO RESPONSE NO OWLS HEARD IN 2013 |
| 2308 | LANDING | p | | NO NSO RESPONSE |
| 2323 | .18 INCH CULVERT | p | | NO NSO RESPONSE |
| 2350 | RIDGE SPRINGS | p | | NO NSO RESPONSE |
| 0010 | NORTH OF SEAVIEW RD. | p | | NO NSO RESPONSE |

UNKNOWN DISTANT NOISE HEARD THROUGHOUT CALLS

West Willig 2001

CALIFORNIA DEPARTMENT OF FISH AND GAME

Quad Name Duncan's Mills 7.5 Min X

SPOTTED OWL FIELD SURVEY

HABITAT TYPE: **Redwood, Tanoak, WHR 4d & 5d**

LANDOWNER **Berry (WEST WILLIG)**

THP# **Pending**

DFG TERRITORY NO. None known

GENERAL LOCATION **½ mile to 2 ½ miles north and east of Jenner**

COUNTY Sonoma

T- 7N

R- 11W

SECS. 8, 9

DATE @ START 5-24-2001

CALL # 1

OBSERVERS Mike Allred

START TIME (2400 clock): 2030

END TIME: 2224

TOTAL TIME: _____

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

50°F

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2030 | STATION 36 at "S" turn | P | N/A | NO RESPONSE - PYGMY OWL |
| 2045 | STATION 35 fork of E&W | P | N/A | NO RESPONSE |
| 2102 | Willig | P | N/A | NO RESPONSE |

| | | | | |
|------|--------------------------|---|-----|----------------------------|
| 2121 | STATION 24 at Right Turn | P | N/A | NO RESPONSE |
| 2138 | STATION 23 at tipping | P | N/A | NO RESPONSE |
| 2154 | redwood | P | N/A | NO RESPONSE - ocean noise, |
| 2214 | STATION 22 | P | N/A | shooting star |
| | STATION 22A Rocky | | | NO RESPONSE |
| | Point | | | |
| | STATION 1 | | | |

DATE @ START 6-9-2001 CALL # 2 OBSERVERS Mike Allred
 START TIME (2400 clock): 2044 END TIME: 2137 TOTAL TIME: 53
 WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze no **50°**
-52°F

| TIME 2400 CLOCK | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|--|
| 2044 | STATION 36 at "S" turn | p | N/A | NO RESPONSE |
| 2057 | STATION 35 fork of E&W | p | N/A | NO RESPONSE |
| 2114 | Willig | p | N/A | NO RESPONSE |
| 2130 | STATION 24 at Right Turn | p | N/A | NO RESPONSE |
| 2149 | STATION 23 at tipping | p | N/A | NO RESPONSE |
| 2109 | redwood | p | N/A | NO RESPONSE - shooting star |
| 2127 | STATION 22 | p | N/A | NO RESPONSE |
| | STATION 22A Rocky | | | |
| | Point | | | |
| | STATION 1 | | | |

DATE @ START 6-29-2001 CALL # 3 OBSERVERS Mike Allred
 START TIME (2400 clock): 2048 END TIME: 2238 TOTAL TIME: _____
110
 WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze
52° - 54°F

| TIME 2400 CLOCK | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|--|
| 2048 | STATION 36 at "S" turn | p | N/A | NO RESPONSE - moon out |
| 2104 | STATION 35 fork of E&W | p | N/A | NO RESPONSE - moon out |
| 2119 | Willig | p | N/A | NO RESPONSE |
| 2134 | STATION 24 at Right Turn | p | N/A | NO RESPONSE |
| 2152 | STATION 23 at tipping | p | N/A | NO RESPONSE |
| 2209 | redwood | p | N/A | NO RESPONSE |
| 2228 | STATION 22 | p | N/A | NO RESPONSE |
| | STATION 22A Rocky | | | |
| | Point | | | |
| | STATION 1 | | | |

Date: August 1, 2002

Ref: CYO - McGucken

THP # 1-00-090 SON

*Ken Hoffman
US Fish & Wildlife
1655 Heindon Rd.
Arcata, CA 95521*

Dear Mr. Hoffman:

We would like to request an extension of technical assistance for determination of Take

/ No-Take for the CYO - McGucken THP for the year 2002. We refer to the determination of No Take on June 7, 2000 (file number 1-14-2000-TA-270b). We have included calls #16 (6-20-02), # 17 (7-17-02) and # 18 (7-29-02) . No NSO response was detected.

*Correspondence should be sent to: Jim Berry P.O. Box 94 Cazadero, CA 95421.
Calls may be directed to (707) 632-5280.*

Sincerely,

James M. Berry

Fledgling Pygmy Owl on Bei Rd. in Cazadero, August 3, 2002 by Jim Berry

It was a cool drizzly morning when at 10:15 I climbed into Kaity's tree fort to rest while doing pick and shovel work. I had noticed a dead Rufous Sided Towhee at about 930 hours. It's head was missing but nothing else. I noticed a brown and grey bird sitting on the fence which I thought was a Brown Towhee until I

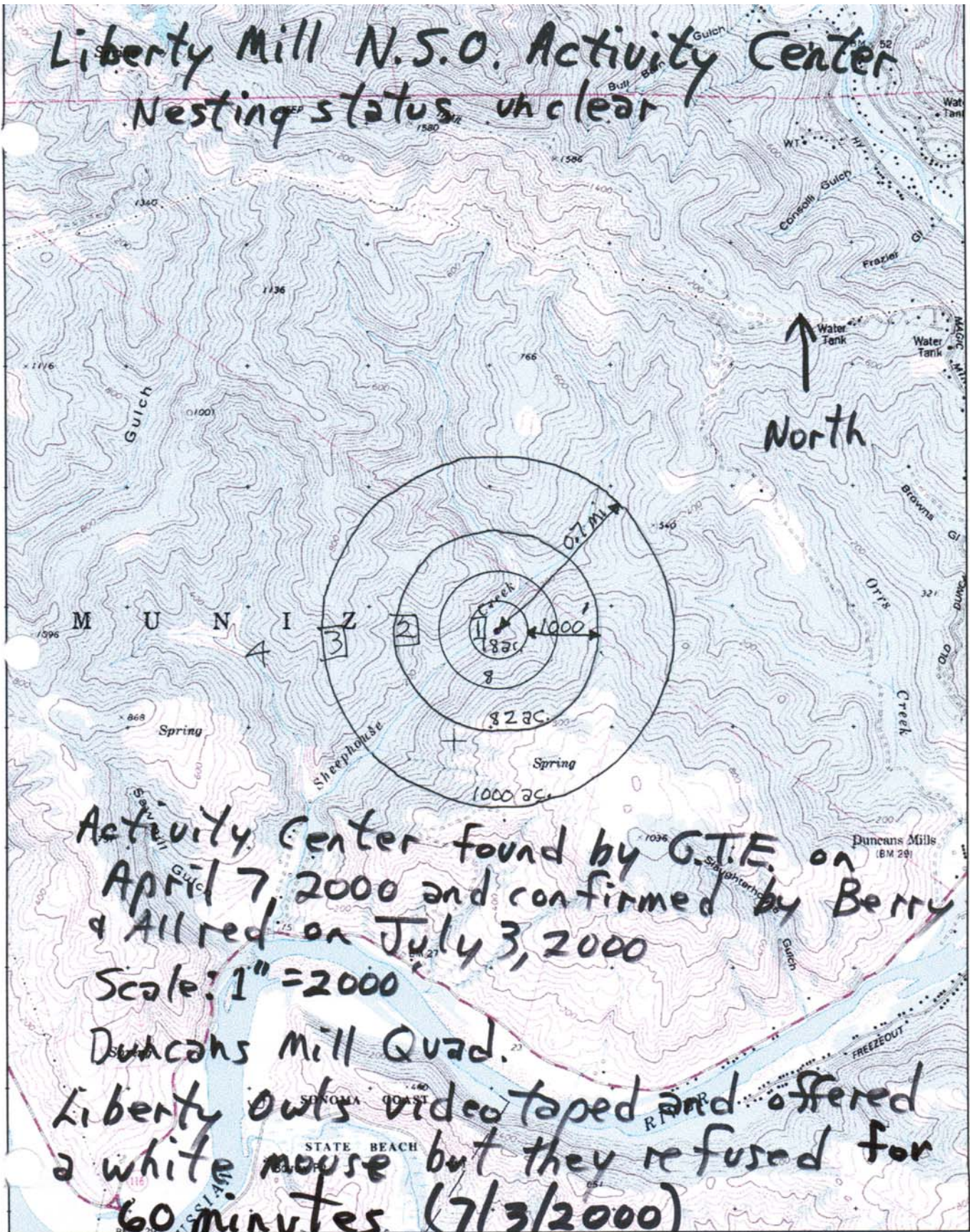
noticed a hooked beak. I was staring at a young diurnal (active night and day) Pygmy Owl which was no more than 6" long. I noticed it was staring at the place where I had seen the Rufous Sided Towhee. I had inadvertently buried the Towhee after enticing it to forage in the insect laden and loose earth where he was ambushed by the tiny raptor.

A humming bird was sitting on the fence about 4' from the Pygmy. His interest was not just casual. The Pygmy was staring alternately at me, the humming bird, the dirt pile, birds flying high over head and the radio playing jazz. Presently the jazz music drew him to land on the radio handle to see what strange creature this was. He flitted clumsily from place to place in search of his prey while hoping another bird would be drawn to the fresh dirt. The humming bird had other ideas. He called in 4 reinforcements who hassled him and dive bombed him for 20 minutes.

I could only see his eyes when he looked directly at me. I made the two Pygmy calls I knew and he scanned the sky looking for the other Pygmy. He looked frustrated by the loss of breakfast and the persistent hummers. The humming birds were coincidentally protecting other birds as well as the 30 humming birds who used the feeders at the house 50' away. At 10:30 he flew in frustration to the Oregon Oak to the west with the "fighter jets" swarming after him making their abrasive warning noises. He was very happy to blend back into the forest and wait for his next meal. Many of his prey such as the towhee are as big as he.

Liberty Mill N.S.O. Activity Center

Nesting status unclear



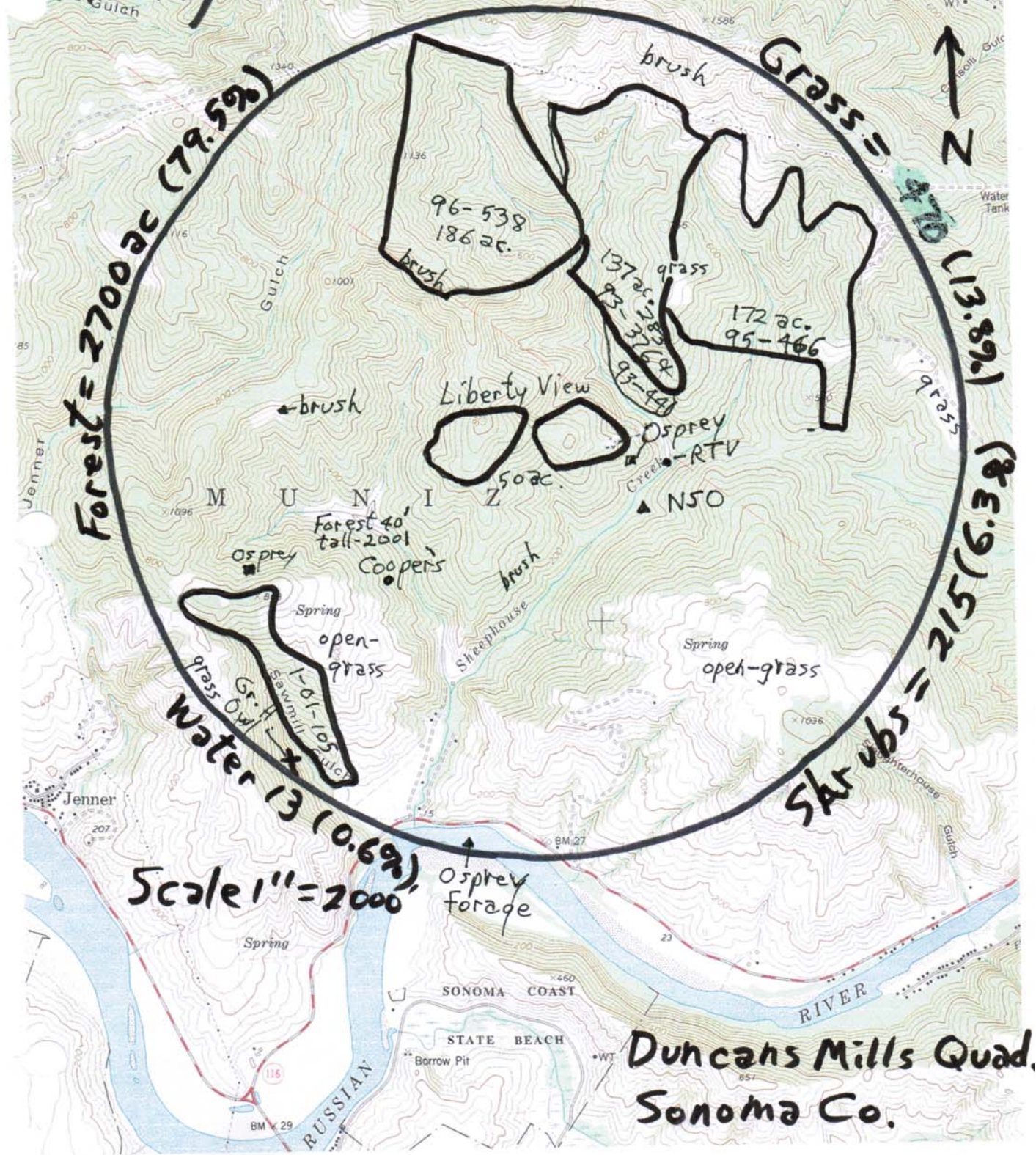
Activity Center found by G.T.E. on April 7, 2000 and confirmed by Berry & Allred on July 3, 2000

Scale: 1" = 2000'

Duncans Mill Quad.

Liberty owls video taped and offered a white mouse but they refused for 60 minutes (7/3/2000)

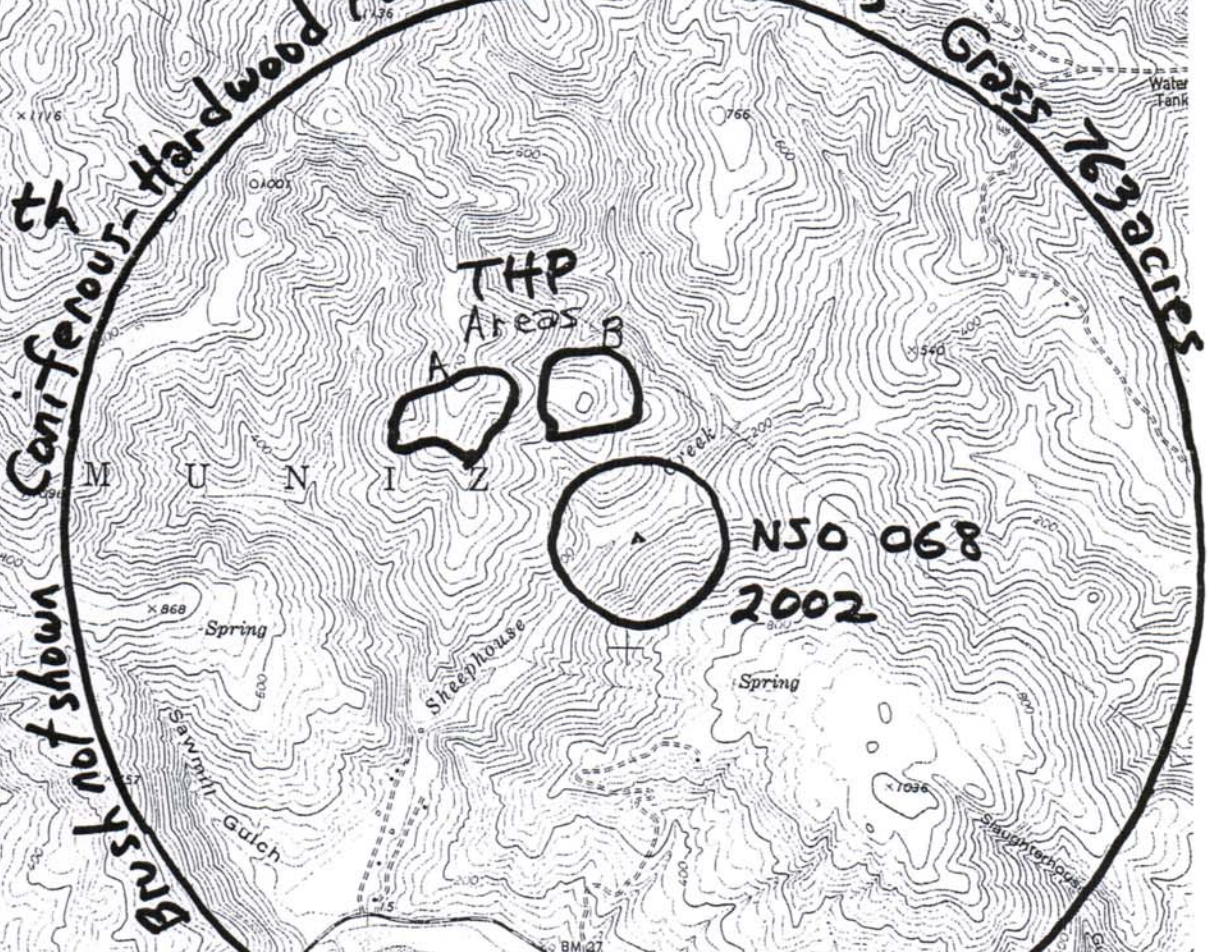
1.3 mile Biological Assessment Area Liberty View THP - Sheephouse Creek



Liberty View NSO Activity Center
Wooster-Berry 2002

1000' and 1.3 mile vegetative habitat
Forest 2635 acres

North ↑

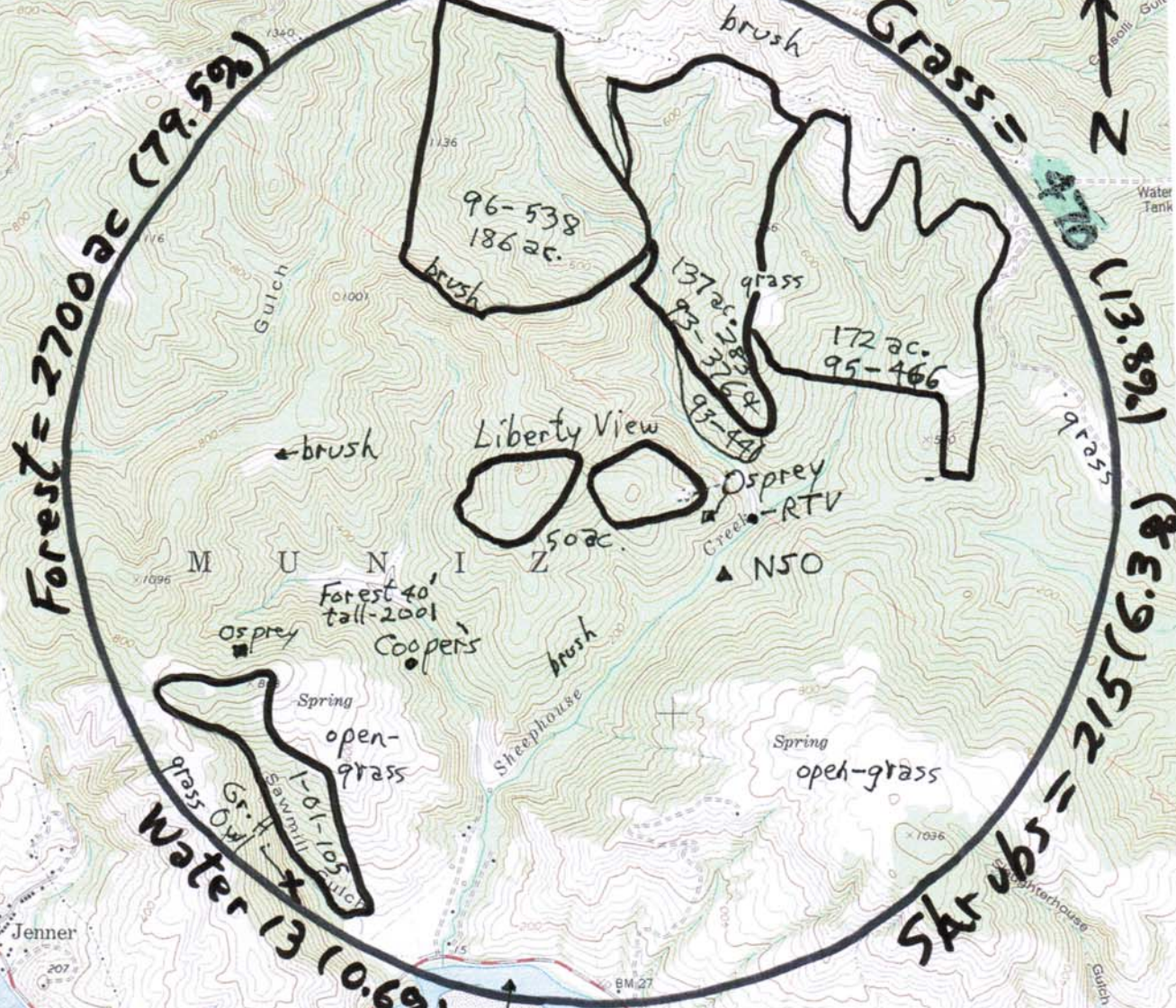


Duncans Mills Q.
Sonoma Co.

May 23, 2002

Forest = 77.5% Grass = 22.5% Scale: 1" = 2000'

1.3 mile Biological Assessment Area Liberty View THP - Sheephouse Creek



Scale 1" = 2000'

Duncans Mills Quad,
Sonoma Co.

Sonoma N50 0068
by
Jim Berry

Tanoak



N.S.O. on Sheephouse Cr. July 3, 2000

NORTHERN SPOTTED OWL FIELD SURVEY **Liberty View 2000-2001** Calls 1,2,3

LANDOWNER **Berry (Liberty View)** THP# **THP 1-02-129 SON**
 CDFW TERRITORY NO. SON 0068 Quad Name Duncan's Mills 7.5 Min X
 GENERAL LOCATION 2 1/2 miles NE of Jenner
 COUNTY Sonoma T- 7N R- 11W SECS. 8, 9 HABITAT- **REDWOOD, Douglas Fir, TANOAK, Huckleberry**
 DATE @ START 7/3/2000 CALL # 1 OBSERVERS Mike Allred & Jim Berry
 START TIME (2400 clock): 2208 END TIME: 2308 TOTAL TIME: 60
 WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2208 to 2308 | Station 1 at Sheepphouse Creek at pink flag left by Greg Checkel of GTE | Activity Center | V & O of Male and female | Activity center was 150' south of Sheepphouse creek. Pair offered one of four mice for 60 minutes but refused- were videotaped |

Liberty View 2001

LANDOWNER **Berry (Liberty View)** THP# **THP 1-02-129 SON** DFG TERRITORY NO. SO 068
 DATE @ START 8/12/01 CALL # 2 OBSERVERS Mike Allred
 START TIME (2400 clock): 1830 END TIME: 2040 TOTAL TIME: 80
 WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------------------------------|--|--|--|---|
| 2030 2050 2108 2125 2140 | Station 4A Station 4 Station 3 Station 2 Station 1 | P P P P P | N/A | NO RESPONSE, Osprey on pilot tree 54 degree NO NSO RESPONSE, NO NSO RESPONSE NO NSO RESPONSE NO NSO RESPONSE 50 degrees |

DATE @ START 8/19/01 CALL # 3 OBSERVERS Mike Allred
 START TIME (2400 clock): 2030 END TIME: 2150 TOTAL TIME: 85
 WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------------------------------|--|--|--|---|
| 2030 2045 2107 2125 2145 | Station 4A Station 4 Station 3 Station 2 Station 1 | | N/A V & O | NO NSO RESPONSE FROGS NO RESPONSE DEER ON RIDGE 50 degrees NO NSO RESPONSE NO NSO RESPONSE RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY **Liberty View 2001-2002** Calls 4,5,6

LANDOWNER **Berry (Liberty View)** THP# **THP 1-02-129 SON** CDFW TERRITORY NO. SON 0068

Quad Name Duncan's Mills 7.5 Min X GENERAL LOCATION 2 1/2 miles NE of Jenner

COUNTY Sonoma T- 7N R- 11W SECS. 8,9 HABITAT- REDWOOD, Douglas Fir, TANOAK, Huckleberry

DATE @ START 8/29/01 CALL # 4 OBSERVERS Mike Allred & Jim Berry

START TIME (2400 clock): 2033 END TIME: 2137 TOTAL TIME: 64

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------|---|---|---------------------------------------|---|
| 2033 | Station 4A | | N/A | NO RESPONSE |
| 2047 | Station 4 | | | NO RESPONSE |
| 2102 | Station 3 | | | NO RESPONSE |
| 2116 | Station 2 | | V | RESPONSE |
| 2127 | Station 1 | | V | RESPONSE |

DATE @ START 3/27/02 CALL # 5 OBSERVERS Mike Allred

START TIME (2400 clock): 2033 END TIME: 2151 TOTAL TIME: 78

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|---|---------------------------------------|---|
| 2033 | Station 4A | P | N/A | NO NSO RESPONSE, 44 degrees F |
| 2048 | Station 4 | P | O barn owl | NO NSO RESPONSE, Barn Owl |
| 2101 | Station 3 | P | | NO NSO RESPONSE |
| 2115 | Station 2 | P | | NO NSO RESPONSE |
| 2127 | Station 1 | P | | NO NSO RESPONSE |
| 2141 | station 1A | P | | NO NSO RESPONSE 42 degrees F |

DATE @ START 4/10/02 CALL # 6 OBSERVERS Mike Allred

START TIME (2400 clock): 2100 END TIME: 2218 TOTAL TIME: 68

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|---|---------------------------------------|---|
| 2100 | Station 4A | p | N/A | NO NSO RESPONSE 50 degrees F |
| 2113 | Station 4 | p | | NO NSO RESPONSE |
| 2127 | Station 3 | p | | NO NSO RESPONSE |
| 2140 | Station 2 | p | | NO NSO RESPONSE |
| 2153 | Station 1 | p | V | VOCAL RESPONSE |
| 2208 | Station 1A | p | | NO NSO RESPONSE SAWWHET 48 degrees F |

NORTHERN SPOTTED OWL FIELD SURVEY Liberty View 2002 Calls 7,8,9

LANDOWNER Berry (Liberty View) THP# THP 1-02-129 SON CDFW TERRITORY NO. SON 0068

Quad Name Duncan's Mills 7.5 Min X GENERAL LOCATION 2 1/2 miles NE of Jenner

COUNTY Sonoma T- 7N R- 11W SECS. 8, 9 HABITAT- REDWOOD, Douglas Fir, TANOAK, Huckleberry

DATE @ START 5/31/02 CALL # 7 OBSERVERS Mike Allred

START TIME (2400 clock): 2229 END TIME: 2351 TOTAL TIME: 82

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------|---|--|---|---|
| 2229 | Station 4A | p | N/A | NO NSO RESPONSE 50 degrees F |
| 2247 | Station 4 | p | | NO NSO RESPONSE |
| 2300 | Station 3 | p | | NO NSO RESPONSE |
| 2314 | Station 2 | p | | NO NSO RESPONSE |
| 2326 | Station 1 | p | <u>V</u> | VOCAL RESPONSE SEX UNKNOWN 48 degrees |
| 2341 | Station 1A | p | | No NSO RESPONSE |

DATE @ START 7/9/02 CALL # 8 OBSERVERS Mike Allred

START TIME (2400 clock): 2033 END TIME: 2137 TOTAL TIME: 64

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------|--|---|--|---|
| 2033 | Station 1 current activity center | | N/A | NO RESPONSE |
| 2047 | Station 1A April 7, 2000 activity center | | | NO RESPONSE |

DATE @ START 8/13/02 CALL # 9 OBSERVERS Mike Allred & Jim Berry

START TIME (2400 clock): 0436 END TIME: 0536 TOTAL TIME: 60

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------|--|---|--|---|
| 0436 0536 | Station 1 current activity center Station 1A April 7, 2000 activity center <u>old and new activity centers about 500' apart</u> | <u>called on both sides of Sheephouse Creek</u> | sex unknown but could be fledgling <u>vocal only</u> | RESPONSE- 4 high pitched locational calls NO further RESPONSE used Dr.. Lowell Diller tape and voice call about 50/50. |

THP# 1-02-12950N

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

Wildlife Resource Report on Nesting Raptor Habitat and Other Wildlife Species on the Liberty View Timber Harvest Plan

Portions of Sections 8 and 9, T7N, R11W, MDB&M, Sonoma County

Introduction

This report was completed at the request of Jim Berry. The plan is located north of Highway 116 in the Sheephouse Creek drainage. Figure 1 indicates the plan area and the area surveyed for evidence of raptor use.

Plan Description

The Liberty View Timber Harvest plan consists of an east unit and a west unit totalling 50 acres on the northwest ridge above Sheephouse Creek approximately halfway up the drainage. Elevations range from 350 to 800 feet above mean sea level with all aspects present. Slopes on the plan range from 0 to 60 percent.

The forest vegetation is predominately second growth redwood overstory with some Douglas fir and some planted ponderosa pine. Tan oak is the predominate understory vegetation. There are no year around wet areas and only a few small sections of Class III draws. The area is generally hot and dry in the summer and fall.

Landscape

At the landscape level, the plan area and the area immediately surrounding it is forest land with the main activity being tree growing and harvesting. The THP is part of the contiguous 1200 acre Berry forest land ownership in the Sawmill Gulch, Sheephouse and Jenner Creek drainages. Sheephouse drains directly into the lower Russian River.

Survey Dates

The Sheephouse Creek drainage was inspected by myself on August 4, 1990 and October 11, 1991. In 2002, I specifically surveyed the plan area for raptors on January 15, April 30 and May 18.

In addition, the area has been surveyed numerous times over the years by Jim Berry and his associates (see comments in the THP).

Methods

Several survey methods were used to determine whether raptors were or could be expected to nest on the conversion areas and/or immediately adjacent to it. 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 nests
- b) whether the quality and quantity of forest habitat could support Northern spotted owls, etc.

The area was inspected on January 15, April 30 and May 18, 2002. Based on these surveys and my knowledge of the lands adjacent to it, Table 1 was prepared which provides an analysis of what raptor species are within the range of the plan, their nesting requirements

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

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THP 1-02-129 SON

Appendix 2

CALIFORNIA DEPARTMENT OF FISH AND GAME
SPOTTED OWL FIELD SURVEY

page 1 of 1

Liberty View

DFG TERRITORY NO. 5068

GENERAL LOCATION

Russian River; Sheephouse Creek

COUNTY Sonoma

DATE @ START May 18, 2002 T- 7N

R- P11W SECS. 9

OBSERVERS Theodore Wooten

START TIME (2400 clock): 1943

END TIME:

TOTAL TIME:

WEATHER (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm weeze 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-F | or | location, misc. owl info., other obser- |
| | | Cruise-C | OBSV (O) | vations, or change in weather/wind) |
| 1943 | on road near | P | NSO ♂ (V) | Used 2 yellow tape. Put |
| 1947 | osprey nest. | | | Y-note contact call |
| | | | | downhill + down along |
| | | | | Sheephouse Creek |
| 1950 | junction of WLPZ | P | NSO ♂ + ♀ (V) | NSO's up hill 200 ft |
| 1951 | road + road going | | | at 170° (across the creek) |
| | uphill to osprey | | | |
| | nest. | | | |
| 1953 | Crawled up the hill | | NSO ♂ + ♀ (V)(O) | |
| 1959 | + looked both birds | | | |
| | together + vocalizing | | | |
| 2001 | 1st mouse out + taken | | | |
| 2003 | by ♀. She pulled it + | | | |
| | after a minute flew | | | |
| | uphill + didn't return | | | |
| 2004 | 2nd mouse out to ♂. Couldn't | | | |
| 2014 | get him to take mouse | | | |
| | | | | I suspect the ♀ flew off the |
| | | | | nest to the ♂ while all the |
| | | | | calling was going on. Once she |
| | | | | got a mouse she returned |
| | | | | to the nest. Will check |
| | | | | further |

Habitat Type 2nd growth RW, DF + TO

NORTHERN SPOTTED OWL DATABASE
Recorded Observation Information Request
(one plan only per each request)

TO: California Department of Forestry & Fire Protection
P.O. Box 670
Santa Rosa, CA 95401

Attn: Forest Practice

REQUESTER:

Name: Loren M. Berry
Address: P.O. Box 90
Cazadero, CA 95421

Phone: 707-865-2365

LOCATION:

Plan Name: Liberty View

County (s) Sonoma

Legal Description of Plan Area

| | | | | | | | | | | | | | | | |
|-------|-----------|-----|------------|---------|----------|---|----------|---|---------|---|---------|---|---------|---|---------|
| Tnshp | <u>7N</u> | Rng | <u>11W</u> | Sctn(s) | <u>8</u> | ; | <u>9</u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> |
| Tnshp | <u></u> | Rng | <u></u> | Sctn(s) | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> |
| Tnshp | <u></u> | Rng | <u></u> | Sctn(s) | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> |
| Tnshp | <u></u> | Rng | <u></u> | Sctn(s) | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> |

Legal Description of Sections within 1.5 miles of Plan Area

| | | | | | | | | | | | | | | | |
|-------|-----------|-----|------------|---------|----------|---|-----------|---|-----------|---|-----------|---|-----------|---|----------|
| Tnshp | <u>7N</u> | Rng | <u>11W</u> | Sctn(s) | <u>3</u> | ; | <u>4</u> | ; | <u>5</u> | ; | <u>6</u> | ; | <u>7</u> | ; | <u>8</u> |
| Tnshp | <u>7N</u> | Rng | <u>11W</u> | Sctn(s) | <u>9</u> | ; | <u>10</u> | ; | <u>16</u> | ; | <u>17</u> | ; | <u>18</u> | ; | <u></u> |
| Tnshp | <u></u> | Rng | <u></u> | Sctn(s) | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> |
| Tnshp | <u></u> | Rng | <u></u> | Sctn(s) | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> |
| Tnshp | <u></u> | Rng | <u></u> | Sctn(s) | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> | ; | <u></u> |

Map: Attached is a map showing the location of potential operations taken from the USGS 15 minute topographic quadrangles Duncans Mills

SIGNATURE: Loren M. Berry RPF # 1193

CDF Use Only

DATE RECEIVED:

DATE RESPONSE MAILED: 1/25/02
REQUEST ID NUMBER: 3297

RECEIVED

JAN 24 2002

COAST AREA OFFICE
RESOURCE MANAGEMENT

INSORQST.4M

Ref.: THP # 1-02-129 SON (Liberty View)
Date: August 16, 2002

Ken Hoffman
US Fish & Wildlife
1655 Heindon Rd.
Arcata, CA 95521

Dear Mr. Hoffman:

We would like to request technical assistance for determination of Take / No-Take for the Liberty View THP for the year 2002. Yesterday we mailed a separate packet of background information for NSO 068 which is about 1200' from the THP at its current activity center. The packet includes the following: Section I of the THP showing responsible parties, Item 14 showing the silvicultural system and acreage, the DFG NSO data base and map, the PCB (Wooster) biological report (including mousing), the 9 NSO calling and mousing records from Allred and Berry, and the 1.3 mile biological assessment area map. We include an updated calling station map.

The delay in sending the records was caused by the confusion caused by follow up day calls without response and because Wooster is enjoying some R & R in Canada. We believe that technical assistance is the final requirement for signature by Bill Snyder. We did get a brief response on August 13 which encourages our assumption that the activity center is the same as it has been since located on April 7, 2000 by Greg Checkel of GTE in Ukiah. Allred and Berry attempted to mouse (white) this pair on July 3, 2000 for 60 minutes without success. This pair was perched within 30' of us with constant and intense vocal and audible contact.

Correspondence should be sent to: Jim Berry P.O. Box 94 Cazadero, CA 95421.

Calls may be directed to (707) 632-5280.

In search of the Northern Spotted Owl since 1989,

James M. Berry

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

Wildlife Resource Report on Nesting Raptor Habitat and Other Wildlife Species on the Liberty View Timber Harvest Plan

Portions of Sections 8 and 9, T7N, R11W, MDB&M, Sonoma County

Introduction

This report was completed at the request of Jim Berry. The plan is located north of Highway 116 in the Sheephouse Creek drainage. Figure 1 indicates the plan area and the area surveyed for evidence of raptor use.

Plan Description

The Liberty View Timber Harvest plan consists of an east unit and a west unit totalling 50 acres on the northwest ridge above Sheephouse Creek approximately halfway up the drainage. Elevations range from 350 to 800 feet above mean sea level with all aspects present. Slopes on the plan range from 0 to 60 percent.

The forest vegetation is predominately second growth redwood overstory with some Douglas fir and some planted ponderosa pine. Tan oak is the predominate understory vegetation. There are no year around wet areas and only a few small sections of Class III draws. The area is generally hot and dry in the summer and fall.

Landscape

At the landscape level, the plan area and the area immediately surrounding it is forest land with the main activity being tree growing and harvesting. The THP is part of the contiguous 1200 acre Berry forest land ownership in the Sawmill Gulch, Sheephouse and Jenner Creek drainages. Sheephouse drains directly into the lower Russian River.

Survey Dates

The Sheephouse Creek drainage was inspected by myself on August 4, 1990 and October 11, 1991. In 2002, I specifically surveyed the plan area for raptors on January 15, April 30 and May 18.

In addition, the area has been surveyed numerous times over the years by Jim Berry and his associates (see comments in the THP).

Methods

Several survey methods were used to determine whether raptors were or could be expected to nest on the conversion areas and/or immediately adjacent to it. 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 nests
 - b) whether the quality and quantity of forest habitat could support Northern spotted owls, etc.

The area was inspected on January 15, April 30 and May 18, 2002. Based on these surveys and my knowledge of the lands adjacent to it, Table 1 was prepared which provides an analysis of what raptor species are within the range of the plan, their nesting requirements

THP 1-02-129 SON

Appendix 2

CALIFORNIA DEPARTMENT OF FISH AND GAME
SPOTTED OWL FIELD SURVEY

page 1 of 1

DFG TERRITORY NO. 5068

GENERAL LOCATION Russian River; Sheephouse Creek

COUNTY Sonoma

DATE @ START May 18, 2002 T- 7N R- P11W SECS. 9

OBSERVERS Theodore Wooster

START TIME (2400 clock): 1943 END TIME: _____ TOTAL TIME: _____

WEATHER (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-LF Point-F Cruise-C | SPECIES/ SEX/ VOCAL (V) or OBSV (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) |
|-----------------------|--|---|---|--|
|-----------------------|--|---|---|--|

| | | | | |
|------|--------------|---|-----------|-----------------------|
| 1943 | on road near | P | NSO ♂ (V) | Used 2 yellow tape RT |
|------|--------------|---|-----------|-----------------------|

| | | | | |
|------|-------------|--|--|--|
| 1947 | oxygen nest | | | 4 note contact called downhill + down along Sheephouse Creek |
|------|-------------|--|--|--|

| | | | | |
|------|---|---|---------------|----------------------------|
| 1950 | junction of WLPZ | P | NSO ♂ + ♀ (V) | NSO's up hill 200 ft |
| 1951 | road + road going uphill to oxygen nest | | | at 170° (across the creek) |

| | | | | |
|------|---|--|------------------|--|
| 1953 | Crawled up the hill | | NSO ♂ + ♀ (V)(O) | |
| 1959 | + locked both birds together + vocalizing | | | |

| | | | | |
|------|--|--|--|--|
| 2001 | 1st mouse out + taken | | | |
| 2003 | by ♀. She pulled it + after a minute flew uphill + didn't return | | | |

| | | | | |
|------|------------------------------|--|--|--|
| 2004 | 2nd mouse out to ♂. Couldn't | | | |
| 2014 | get him to take mouse | | | |

I suspect the ♀ flew off the nest to the ♂ while all the calling was going on. Once she got a mouse she returned to the nest. Will check further

Habitat Type 2nd growth RW, DF + TO

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

Wildlife Resource Report on Nesting Raptor Habitat and Other Wildlife Species on the Liberty View Timber Harvest Plan

Portions of Sections 8 and 9, T7N, R11W, MDB&M, Sonoma County

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 - a) presence or absence of cliffs, rock outcrops for peregrine falcon nests
 - b) whether the quality and quantity of forest habitat could support Northern spotted owls, etc.

The area was inspected on January 15, April 30 and May 18, 2002. Based on these surveys and my knowledge of the lands adjacent to it, Table 1 was prepared which provides an analysis of what raptor species are within the range of the plan, their nesting requirements

Ref.: THP # 1-03-073 SON (Muniz Boundary)
Date: July 8, 2003

Ken Hoffman
US Fish & Wildlife
1655 Heindon Rd.
Arcata, CA 95521

Dear Mr. Hoffman:

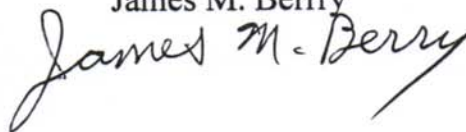
We would like to request technical assistance for determination of Take / No-Take for the Muniz Boundary THP for the year 2003. Included in this packet are the following: The packet includes the following: Section I of the THP showing responsible parties, Item 14 showing the silvicultural system and acreage (all selective), the DFG-CDF NSO data base and map, the 9 NSO calling and mousing records from Allred and Berry, aerial photos surrounding NSO 004 and Muniz Boundary, 1.3 mile vegetative analysis of NSO 068 and the 1.3 mile biological assessment area map and an updated calling station map.

Nine call dates for Muniz Boundary are as follows: 2/25/02, 4/10/02, 5/21/02; 3/6/03, 4/10/03, 5/25/03, 6/20/03, 6/30/03, 7/6/03. Follow-up checks on NSO 068 Activity Center were done on the last three dates and the activity center was quiet on the night of each positive contact at Muniz Boundary. Allred has twice confirmed the presence of NSO 068 near the activity center earlier in the nesting season. No contact was ever successful at 068 when the owls were heard or sighted around Muniz Boundary. Fledgling status is not known but two young were heard using locational calls to keep in touch with both parents on the opposite side of the canyon near the fork between Sheepphouse and the SW branch more than one mile south of Muniz Boundary.

Correspondence should be sent to: Jim Berry P.O. Box 94 Cazadero, CA 95421.

Calls may be directed to (707) 632-5280.

In search of the Northern Spotted Owl since 1989,

James M. Berry


Ref.: THP # 1-03-073 SON (Muniz Boundary)
Date: July 8, 2003

Ken Hoffman
US Fish & Wildlife
1655 Heindon Rd.
Arcata, CA 95521

Dear Mr. Hoffman:

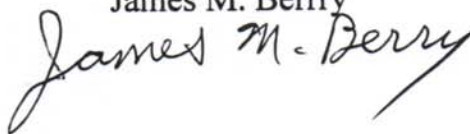
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Nine call dates for Muniz Boundary are as follows: 2/25/02, 4/10/02, 5/21/02; 3/6/03, 4/10/03, 5/25/03, 6/20/03, 6/30/03, 7/6/03. Follow-up checks on NSO 068 Activity Center were done on the last three dates and the activity center was quiet on the night of each positive contact at Muniz Boundary. Allred has twice confirmed the presence of NSO 068 near the activity center earlier in the nesting season. No contact was ever successful at 068 when the owls were heard or sighted around Muniz Boundary. Fledgling status is not known but two young were heard using locational calls to keep in touch with both parents on the opposite side of the canyon near the fork between Sheephouse and the SW branch more than one mile south of Muniz Boundary.

Correspondence should be sent to: Jim Berry P.O. Box 94 Cazadero, CA 95421.

Calls may be directed to (707) 632-5280.

In search of the Northern Spotted Owl since 1989,

James M. Berry




United States Department of the Interior

FISH AND WILDLIFE SERVICE
1655 Heindon Road
Arcata, CA 95521
Phone (707) 822-7201 FAX (707) 822-8411



In Reply Refer To:
AFWO
1-14-2003-TA-1900

July 21, 2003

Ms. Leslie Markham
Deputy Chief, Forest Practice
Dept. of Forestry and Fire Protection
135 Ridgeway Avenue
Santa Rosa, CA 95402

Subject: Response to Request for Technical Assistance Regarding Timber Harvest Plan 1-03-073 SON

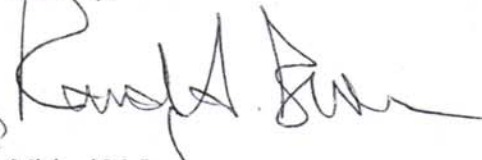
Dear Ms. Markham:

This responds to a request for U.S. Fish and Wildlife Service (Service) technical assistance, received in our office on July 8, 2003, on the above timber harvest plan (THP). At issue in the request is the potential for incidental take of the Federally listed northern spotted owl (*Strix occidentalis caurina*) as a result of operations conducted on the above THP. After review of the information pertaining to this request, the Service provides the following technical assistance.

This is A30-acre (selection) THP located in Sections 5 and 8, Township 7 North, Range 11 West, M.D.B. & M. in Sonoma County. There are no known northern spotted owl activity centers located within 1,000 feet of the above THP. The Service has determined that operations as proposed on this THP would not be likely to incidentally take northern spotted owls, provided operations are complete prior to February 1, 2004.

All maps and data used to provide this technical assistance are on file at this office. If you have questions regarding this response, please contact Mr. Ken Hoffman at the Arcata Fish and Wildlife Office at (707) 822-7201.

Sincerely,

Acting For

Michael M. Long
Field Supervisor

cc:
RPF: J.Berry, PO Box 94, Cazadero, CA 95421

July 10, 2003

Ref.: Plantation South THP

Hi Glen,

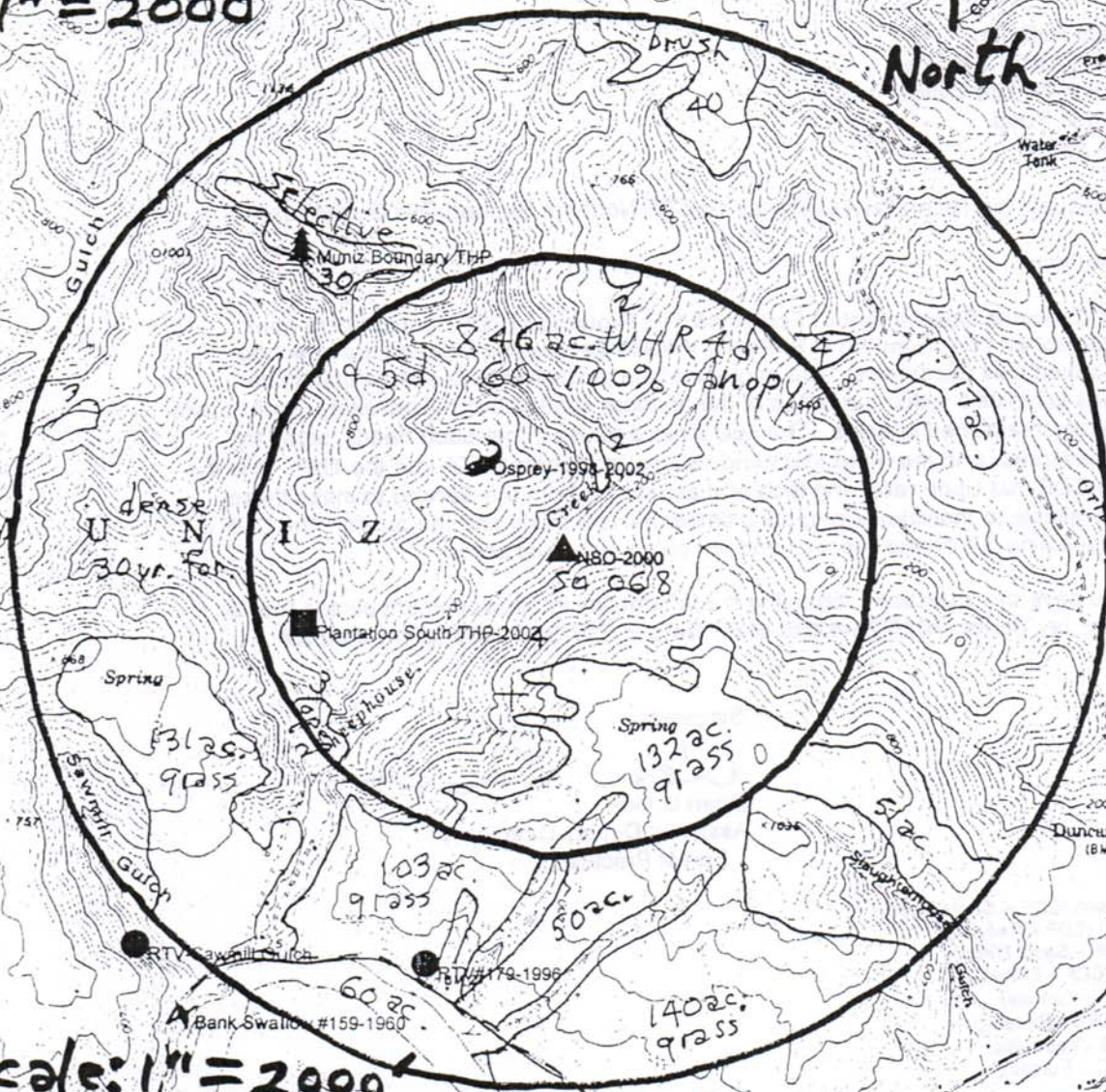
Just wanted to let you know that Mike Allred and I are still working on the owl calling and technical assistance from Ken Hoffman of U.S. Fish and Wildlife. On the third call of 2003 on May 25, 2003, Mike called up four NSO's on Willig Gulch. They were two adults on the west side and two young doing locational calls within the THP area.. According to protocol (confirmed by Hoffman) we need three more calls. We have completed one of the three. We will obtain the technical assistance from Hoffman when the calls are complete. We may need to bring in Wooster for an opinion but he is likely in Ontario. We have submitted aerial photos for Muniz Boundary and habitat maps for NSO 004 and 068. We are waiting for TA on Muniz Boundary because we got three more NSO contacts on Muniz with young. We had to do three more calls. Territory status is unclear. Mike has twice confirmed the presence of 068 at the activity center but the Willig Gulch contact is likely 068 as the young are taught to hunt. Again, status is unclear. What luck! Contacts on the third call (2003) on both THP's! I think they like Dad's cat trails!

Jim Berry

NSO Vegetative Habitat - 50 068

THP 1-03-14650 N

Scale: 1" = 2000'



Scale: 1" = 2000'
Non NSO Habitat: 599 ac.

2801 ac. = N, R, F
60-100% canopy

Duncans Mills Quad
Sonoma Co.

N = Nesting R = Roosting F = Forage

NORTHERN SPOTTED OWL FIELD SURVEY- PLANTATION SOUTH 2002 CALLS 1,2,3

LANDOWNER Berry THP# 1-03-146 SON DFG TERRITORY NO. SON 0068 CALL # 1 OBSERVERS Mike Allred

GENERAL LOCATION 2 miles NE of Jenner COUNTY Sonoma Quad Name Duncan's Mills (7.5 Min & NAD 27) R- 11W
SECS. 8, 9

DATE @ START 6 July 2002 START TIME (2400 clock): 2050 END TIME: 2205 TOTAL TIME: 75

HABITAT- **REDWOOD, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIM E 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------|---|---|--|---|
| 2050 | Station 1-36" 1603 culvert | p | N/A | NO NSO RESPONSE 56 degrees F |
| 2106 | Station 2-first landing past E. Willig fork | p | | NO NSO RESPONSE-BULL COW CALLING |
| 2125 | Station 3- plantation | p | | NO NSO RESPONSE |
| 2139 | Station 4- lower plantation ridge | p | | NO NSO RESPONSE |
| 2155 | Station 5-low THPedge near Willig Gulch | p | | NO NSO RESPONSE 52 degrees |

DATE @ START 19 July 2002 CALL # 2 OBSERVERS Mike Allred

START TIME (2400 clock): 2150 END TIME: 2314 TOTAL TIME: 84

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIM E 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------|---|---|--|---|
| 2150 | Station 1 | P | N/A | NO NSO RESPONSE, 55 degrees F |
| 2210 | Station 2 | P | | NO NSO RESPONSE, |
| 2231 | Station 3 | P | | NO NSO RESPONSE |
| 2246 | Station 4 | P | | NO NSO RESPONSE FIREWORKS |
| 2304 | Station 5 | P | | NO NSO RESPONSE 54 degrees F |

DATE @ START 24 July 2002 CALL # 3 OBSERVERS Mike Allred

START TIME (2400 clock): 2320 END TIME: 0045 TOTAL TIME: 85

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIM E 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------|---|---|--|---|
| 2320 | Station 1 | p | N/A | NO NSO RESPONSE |
| 2340 | Station 2 | p | | NO NSO RESPONSE - barking dog |
| 0005 | Station 3 | p | | NO NSO RESPONSE |
| 0020 | Station 4 | p | | NO NSO RESPONSE |
| 0035 | Station 5 | p | | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY Plantation South 2003—Calls 4,5,6

LANDOWNER **Berry (Plantation South)** THP# **1-03-146 SON** DFG TERRITORY NO. SON 0068? CALL # 4 OBSERVERS Mike Allred

GENERAL LOCATION **2 miles NE of Jenner** COUNTY Sonoma Quad Name Duncan's Mills (7.5 Min & NAD 27)
 T- 7N R- 11W SECS. 8, 9

DATE @ START 6 March 2003 START TIME (2400 clock): 1851 END TIME: 2020 TOTAL TIME: 89

HABITAT- **REDWOOD, TANOAK, ALDER, Huckleberry, Coyote bush**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|----------------------------|--|--|--|--|
| 1851 1911 | Station 1-36" 1603 culvert | p | N/A | NO NSO RESPONSE 50 degrees F |
| | Station 2-first landing past E. Willig fork | p | | NO NSO RESPONSE-BULL COW CALLING |
| 2042 | Station 3- plantation | p | | NO NSO RESPONSE |
| 2055 | Station 4- lower plantation ridge | p | | NO NSO RESPONSE |
| 2010 | Station 5-low THPedge near Willig Gulch | p | | NO NSO RESPONSE 52 degrees |

DATE @ START (2400 clock): 10 April 2003 CALL # 5 OBSERVERS Mike Allred

START TIME (2400 clock): 2016 END TIME: 2204 TOTAL TIME: 78

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2016 | Station 5 | P | N/A | NO NSO RESPONSE, Pygmy |
| 2033 | Station 4 | P | | NO NSO RESPONSE, |
| 2049 | Station 3 | P | | NO NSO RESPONSE |
| 2120 | Station 2 | P | | NO NSO RESPONSE |
| 2154 | Station 1 | P | | NO NSO RESPONSE 54 degrees F |

DATE @ START (2400 clock): 25 May 2003 CALL # 6 OBSERVERS Mike Allred

START TIME (2400 clock): 2154 END TIME: 2340 TOTAL TIME: 104

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2221 | Station 2 | p | N/A | NO NSO RESPONSE-Sawwhet |
| 2245 | Station 3 | p | | NO NSO RESPONSE -50-54 degrees F |
| 2301 | Station 4 | p | | NO NSO RESPONSE |
| 2217 | Station 5 | p | | NO NSO RESPONSE |
| 2330 | Station 1 at new 36" culvert See Calling Station map | p | _ & _ - 2 young | ♂ NSO RESPONSE- Male and female hunting opposite Station 1 on west side of Willig Gulch One young at Station 1 , one on ridge between #3&4 (Loc. Call) |

NORTHERN SPOTTED OWL FIELD SURVEY Plantation South 2004—Calls 7,8,9

LANDOWNER **Berry (Plantation South)** THP# **1-03-146 SON** DFG TERRITORY NO. SO 068? CALL # 7 OBSERVERS Mike Allred

GENERAL LOCATION **2 miles NE of Jenner** HABITAT- **REDWOOD, TANOAK, ALDER, Huckleberry, Coyote bush**
 COUNTY Sonoma Quad Name Duncan's Mills T- 7N R- 11W SECS 8,9

DATE @ START 20 June 2004 START TIME (2400 clock): 2122 END TIME: 2240 TOTAL TIME: 78

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2105 | Station 1-36" 1603 culvert | p | N/A | NO NSO RESPONSE 56 degrees F |
| 2123 | Station 2-first landing past E. Willig fork | p | | NO NSO RESPONSE- |
| 2153 | Station 3- plantation | p | | NO NSO RESPONSE |
| 2216 | Station 4- lower plantation ridge | p | | NO NSO RESPONSE |
| 2223 | Station 5-low THPedge near Willig Gulch | | | NO NSO RESPONSE 54 degrees |

DATE @ START (2400 clock): 11 July 2004 CALL #8 OBSERVERS Mike Allred

START TIME (2400 clock): 2016 END TIME: 2233 TOTAL TIME: 88

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2016 | Station 5-low THPedge near Willig | P | N/A | NO NSO RESPONSE 56 °F |
| 2033 | Station 4- lower plantation ridge | P | | NO NSO RESPONSE, TINY POND 800'SE |
| 2049 | Station 3- plantation | P | | NO NSO RESPONSE |
| 2120 | Station 2-first landing past E. | P | | NO NSO RESPONSE |
| 2154 | Station 1-36" 1603 culvert Gulch | | | NO NSO RESPONSE 54 degrees F |

DATE @ START (2400 clock): 21 July 2004 CALL #9 OBSERVERS Mike Allred

START TIME (2400 clock): 2110 END TIME: 2240 TOTAL TIME: 90

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|---|
| 2110 | Station 1-36" 1603 culvert | p | N/A | NO NSO RESPONSE-60 ° |
| 2130 | Station 2-first landing past E. Willig fork | p | | NO NSO RESPONSE -SAWWHET |
| 2155 | Station 3- plantation | p | | NO NSO RESPONSE -SCREECH |
| 2215 | Station 4- lower plantation ridge | p | | NO NSO RESPONSE-dogs barking |
| 2230 | Station 5-low THPedge near Willig Gulch | | | NO NSO RESPONSE- frogs croaking |

NORTHERN SPOTTED OWL FIELD SURVEY Plantation South 2005—Calls 10,11,12

LANDOWNER **Berry (Plantation South)** THP# **1-03-146 SON** DFG TERRITORY NO. SO O68? OBSERVERS Mike Allred CALL # 10

GENERAL LOCATION **2 miles NE of Jenner** COUNTY Sonoma Quad Name Duncan's Mills (7.5 min. & NAD 27) T- 7N R- 11W SECS 8, 9

DATE @ START 10 April 2005 START TIME (2400 clock): 2005 END TIME: 2240 TOTAL TIME: 88

HABITAT- **REDWOOD, TANOAK, ALDER, Huckleberry, Coyote bush**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2005 | Station 1-36" 1603 culvert | p | N/A | NO NSO RESPONSE 49degrees F |
| 2048 | Station 2-first landing past E. Willig fork | p | single male | YES--NSO RESPONSE- |
| 2024 | Station 3- plantation | p | | NO NSO RESPONSE--cows and fog |
| 2108 | Station 4- lower plantation ridge | p | | NO NSO RESPONSE cow and turkey calls |
| 2123 | Station 5-low THP edge near Willig Gulch | p | | NO NSO RESPONSE -Screech50 degrees |

DATE @ START (2400 clock): 1 May 2005 CALL #11 OBSERVERS Mike Allred

START TIME (2400 clock): 2105 END TIME: 2217 TOTAL TIME: 72

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2105 | Station 1-36" 1603 culvert | variable point | N/A | NO NSO RESPONSE 56 °F |
| 2120 | Station 5-low THP edge near Willig Gulch | | | NO NSO RESPONSE |
| 2135 | Station 4- lower plantation ridge | | | NO NSO RESPONSE |
| 2150 | Station 3- plantation | | | NO NSO RESPONSE |
| 2207 | Station 2-first landing past E. Willig fork | | | NO NSO RESPONSE 60 degrees F |

DATE @ START (2400 clock): 11 May 2005 CALL #12 OBSERVERS Mike Allred

7
START TIME (2400 clock): 2027 END TIME: 2155 TOTAL TIME: 78

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2027 | Station 1-36" 1603 culvert | p | N/A | NO NSO RESPONSE-55 degrees F |
| 2048 | Station 2-first landing past E. Willig fork | p | | NO NSO RESPONSE |
| 2104 | Station 3- plantation | p | | NO NSO RESPONSE |
| 2126 | Station 4- lower plantation ridge | p | | NO NSO RESPONSE |
| 2145 | Station 5-low THP edge near Willig Gulch | p | | NO NSO RESPONSE-53 degrees F |

Ref.: THP # 1-03-146 SON

Date: May 19, 2004

Ken Hoffman
U.S. Fish & Wildlife
1655 Heindon Rd.
Arcata, CA 95521

Dear Mr. Hoffman:

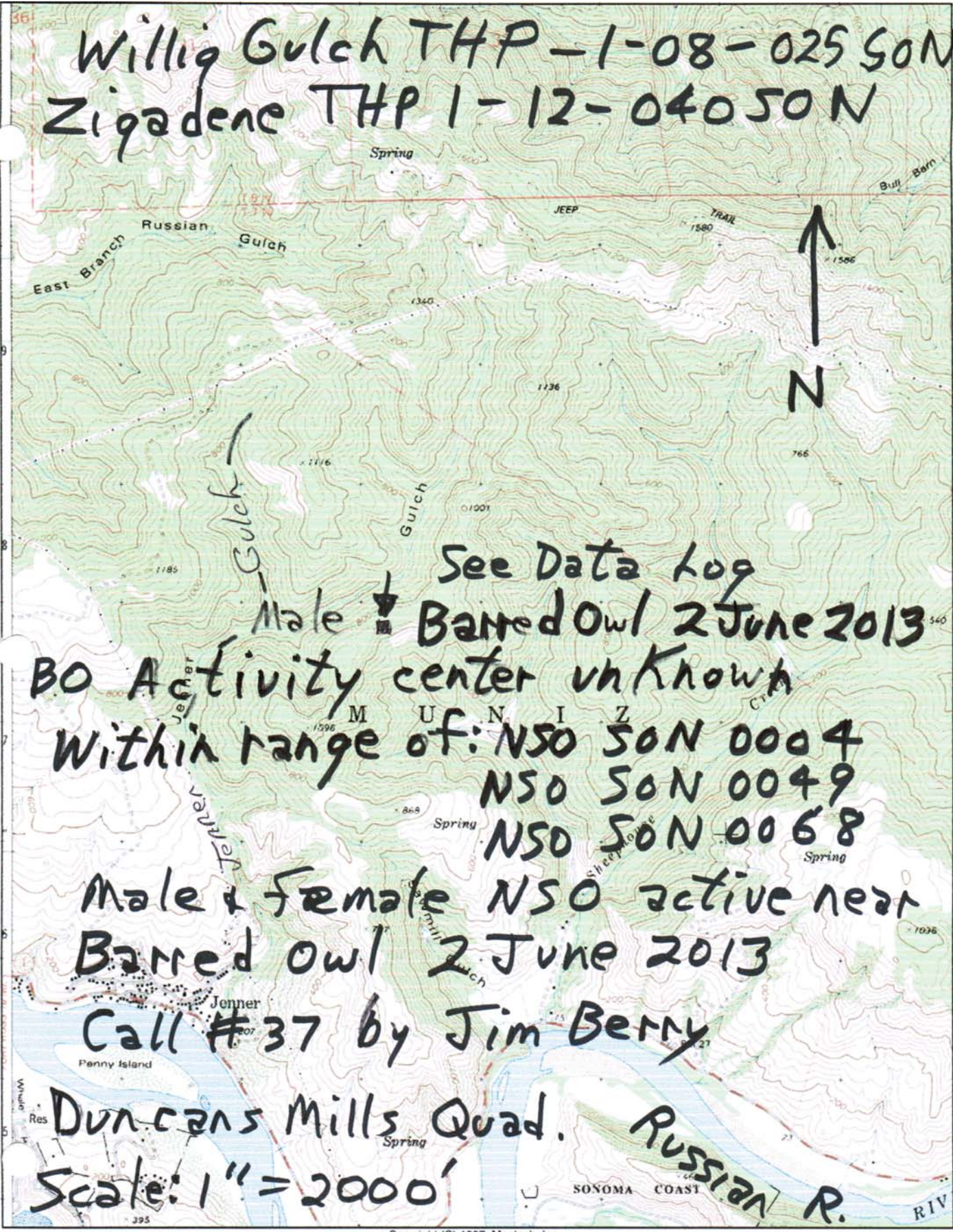
We would like to request technical assistance for determination of Take / No-Take for the Plantation South THP for the year 2004. Nine past call dates for **Plantation South** are as follows: 7/6/02, 7/19/02, 7/24/02; 3/6/03, 4/10/03, 5/25/03, 6/28/03, 7/11/03, 7/21/03. Three call dates for 2004 by Mike Allred are: 4/10/04, 5/1/04 and 5/11/04. One casual male NSO was found on 4/10/04. Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Normal protocol also includes a TAC letter to the Resource Manager for CDF in Region 1.

Phone calls may be directed to (707) 632-5280.

In search of the Northern Spotted Owl since 1989,

James M. Berry

Willig Gulch THP - 1-08-025 SON
Zigadene THP 1-12-04050 N



NORTHERN SPOTTED OWL FIELD SURVEY West Willig 2001 Calls 1,2,3

LANDOWNER **Berry (WEST WILLIG)** THP# **1-08-025 SON&THP#1-12-025** DFG TERRITORY NO. 0068.0004.0049 Call #1
 OBSERVERS Mike Allred

GENERAL LOCATION ½ mile to 2 ½ miles north and east of Jenner COUNTY Sonoma Quad Name Duncan's Mills (7.5 Min &NAD 27)
 T- 7N R- 11W SECS. 8, 9

DATE @ START 24 May 2001 START TIME (2400 clock): 2030 END TIME: 2224 TOTAL TIME: 54

HABITAT TYPE: Mesic Physiographic Region =Coast **Redwood, Tanoak, WHR 4d & 5d**

WEATHER (bold): clear **cloudy** mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no **50°F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|---|
| 2030 | STATION 36 at "S" turn | P | N/A | NO RESPONSE - PYGMY OWL |
| 2045 | STATION 35 fork of E&W Willig | P | N/A | NO RESPONSE |
| 2102 | STATION 24 at Right Turn | P | N/A | NO RESPONSE |
| 2121 | STATION 23 at tipping redwood | P | N/A | NO RESPONSE |
| 2138 | STATION 22 | P | N/A | NO RESPONSE |
| 2154 | STATION 22A Rocky Point | P | N/A | NO RESPONSE - ocean noise, shooting star |
| 2214 | STATION 1 | P | N/A | NO RESPONSE |

DATE @ START 9 June 2001 CALL # 2 OBSERVERS Mike Allred

START TIME (2400 clock): 2044 END TIME: 2137 TOTAL TIME: 53

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no **50° -52°F**

| | | | | |
|------|-------------------------------|---|-----|-----------------------------|
| 2044 | STATION 36 at "S" turn | p | N/A | NO RESPONSE |
| 2057 | STATION 35 fork of E&W Willig | p | N/A | NO RESPONSE |
| 2114 | STATION 24 at Right Turn | p | N/A | NO RESPONSE |
| 2130 | STATION 23 at tipping redwood | p | N/A | NO RESPONSE |
| 2149 | STATION 22 | p | N/A | NO RESPONSE |
| 2109 | STATION 22A Rocky Point | p | N/A | NO RESPONSE - shooting star |
| 2127 | STATION 1 | p | N/A | NO RESPONSE |

DATE @ START 29 June 2001 CALL # 3 OBSERVERS Mike Allred

START TIME (2400 clock): 2048 END TIME: 2238 TOTAL TIME: 110

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze **52° - 54°F**

| | | | | |
|------|-------------------------------|---|-----|------------------------|
| 2048 | STATION 36 at "S" turn | p | N/A | NO RESPONSE - moon out |
| 2104 | STATION 35 fork of E&W Willig | p | N/A | NO RESPONSE - moon out |
| 2119 | STATION 24 at Right Turn | p | N/A | NO RESPONSE |
| 2134 | STATION 23 at tipping redwood | p | N/A | NO RESPONSE |
| 2152 | STATION 22 | p | N/A | NO RESPONSE |
| 2209 | STATION 22A Rocky Point | p | N/A | NO RESPONSE |
| 2228 | STATION 1 | p | N/A | NO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY West Willig 2002 Calls 4,5,6

LANDOWNER **Berry (West Willig)** THP#1-08-025 SON & THP#1-12-025 SON DFG TERRITORY NO. 0068,0004,0049 CALL # 4 OBSERVERS Mike Allred

GENERAL LOCATION 2 miles NE of Jenner COUNTY Sonoma Quad Name Duncan's Mills 7.5 Min X T- 7N R- 11W
SECS. 8, 9

DATE @ START 6 July 2002 START TIME (2400 clock): 2050 END TIME: 2205 TOTAL TIME: 75

HABITAT- **REDWOOD, TANOAK, ALDER, Huckleberry, Coyote bush**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METH. Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 2050 | Station 1-36" 1603 culvert | p | N/A | NO NSO RESPONSE 56 degrees F |
| 2106 | Station 2-first landing past E. Willig fork | p | | NO NSO RESPONSE-BULL COW CALLING |
| 2125 | Station 3- plantation | p | | NO NSO RESPONSE |
| 2139 | Station 4- lower plantation ridge | p | | NO NSO RESPONSE |
| 2155 | Station 5-low THP edge near Willig Gulch | | | NO NSO RESPONSE 52 degrees |

DATE @ START 19 July 2002 CALL # 5 OBSERVERS Mike Allred

START TIME (2400 clock): 2150 END TIME: 2314 TOTAL TIME: 84

WEATHER (In yellow): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze no

| | | | | |
|------|-----------|---|-----|--|
| 2150 | Station 1 | P | N/A | NO NSO RESPONSE, 55 degrees F |
| 2210 | Station 2 | P | | NO NSO RESPONSE, |
| 2231 | Station 3 | P | | NO NSO RESPONSE |
| 2246 | Station 4 | P | | NO NSO RESPONSE FIREWORKS Civil War Days |
| 2304 | Station 5 | P | | NO NSO RESPONSE 54 degrees F |

DATE @ START 24 July 2002 CALL # 6 OBSERVERS Mike Allred

START TIME (2400 clock): 2320 END TIME: 0045 TOTAL TIME: 85

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|-----------|---|-----|-------------------------------|
| 2320 | Station 1 | p | N/A | NO NSO RESPONSE |
| 2340 | Station 2 | p | | NO NSO RESPONSE - barking dog |
| 0005 | Station 3 | p | | NO NSO RESPONSE |
| 0020 | Station 4 | p | | NO NSO RESPONSE |
| 0035 | Station 5 | p | | NO NSO RESPONSE |



IN REPLY REFER TO:

United States Department of the Interior

FISH AND WILDLIFE SERVICE

Arcata Fish and Wildlife Office

1655 Heindon Road

Arcata, California 95521

707-822-7201

FAX: (707) 822-8411

UNIT, FG, WQ

6/14/00 y

June 7, 2000

In Reply Refer To:

1-14-2000-TA-270b

Mr. Rodger Thompson
Deputy Chief, Forest Practice
Dept. of Forestry and Fire Protection
135 Ridgeway Avenue
Santa Rosa, CA 95402

Subject: Response to Request for Additional Technical Assistance Regarding 1-00-090 SON

Dear Mr. Thompson:

This responds to a request for additional U.S. Fish and Wildlife Service (Service) technical assistance, received in our office on June 6, 2000, on the above timber harvest plan (THP). At issue in the request is the potential for incidental take of the Federally listed northern spotted owl (*Strix occidentalis caurina*) as a result of operations conducted on the above THP during the breeding season. After review of the information pertaining to this request, the Service provides the following technical assistance.

This is a 62 acre proposed THP (selection) located in Sections 2 and 3, Township 6 North, Range 10 West, and Section 34, Township 7 North, Range 10 West, M.D.B.M. in Sonoma County. There are no known northern spotted owl activity centers located within 1,000 feet of the THP. The Service has determined that operations conducted on this THP would not be likely to incidentally take northern spotted owls, provided the operations are complete prior to February 1, 2001.

All maps and data used to provide this technical assistance are on file at this office. If you have questions regarding this response, please contact Mr. Ken Hoffman at the Arcata Fish and Wildlife Office at (707) 822-7201.

Sincerely,

for
Phil Detrich

Phil Detrich
HCP Team Project Leader

RECEIVED

JUN 12 2000

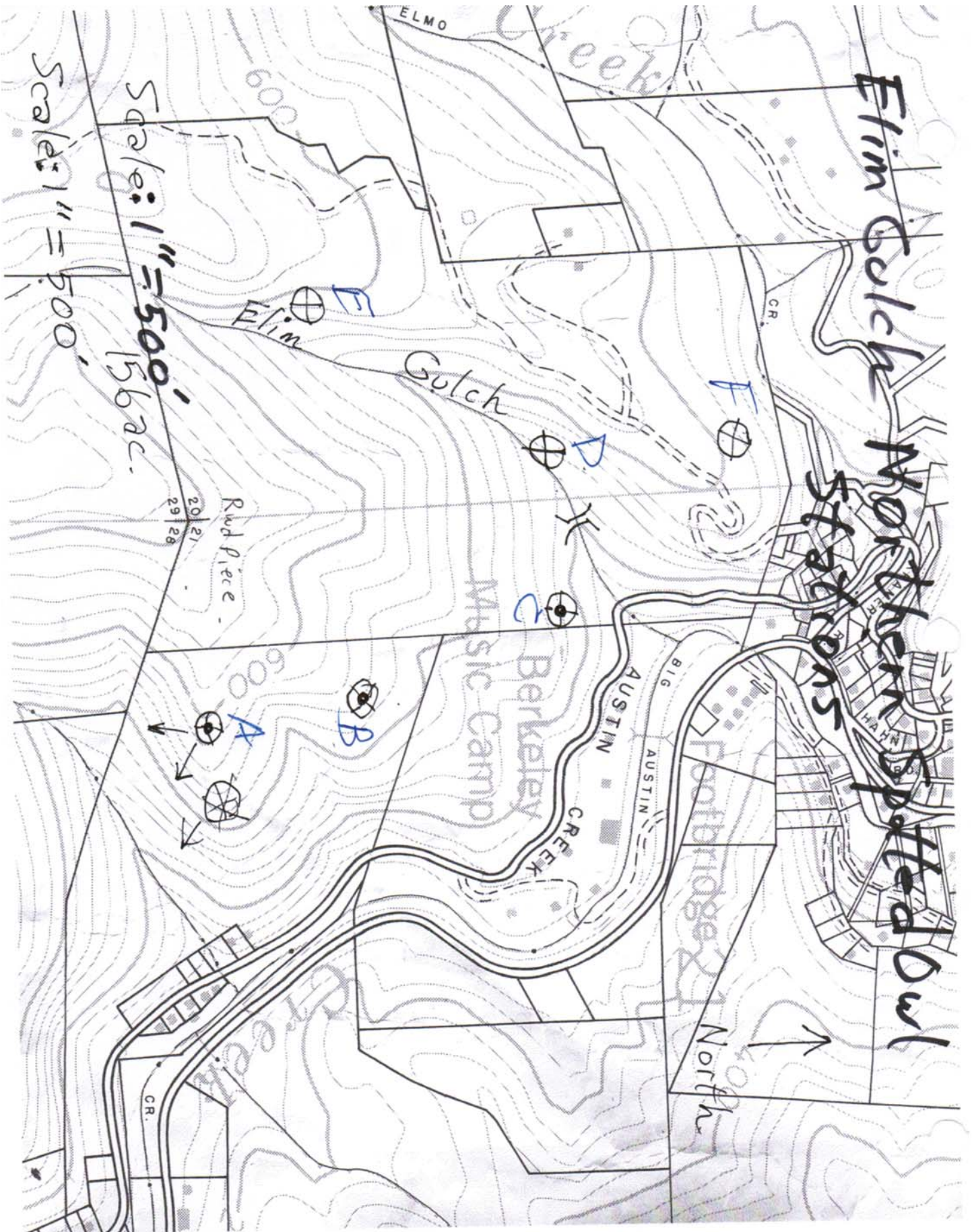
COAST AREA OFFICE
RESOURCE MANAGEMENT

cc:

RPF: J. Berry, PO Box 94, Cazadero, CA 95421

PART OF PLAN -151-

CYO



End of Muniz Boundary THP#1-03-172 SON and Beginning of Willig Gulch THP#1-08-025

Northern Spotted Owl Calling Stations

Muniz Boundary THP

#1-03-073 SON



1136

Muniz
Land Grant Line

THP boundary

6/30/03

60

0,001

6/03

5/29/03

A

Scale: 1" = 1000'

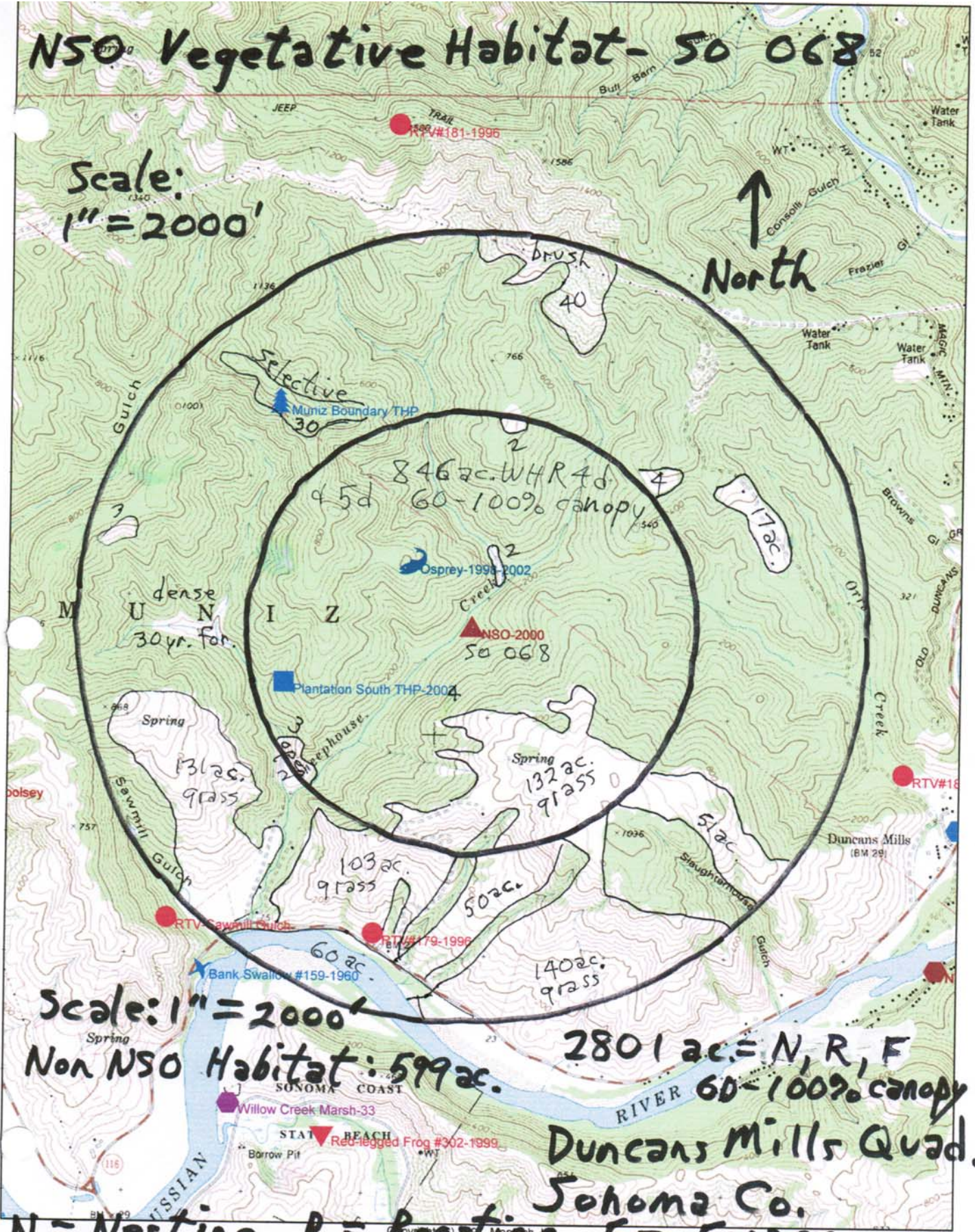
S 548, T 7N, R 11W

M 4 B 9 M, Sonoma Co

NSO Vegetative Habitat- 50 068

Scale: 1" = 2000'

North ↑



Scale: 1" = 2000'

Non NSO Habitat: 599 ac.

2801 ac. = N, R, F
60-100% canopy

Duncan's Mills Quad.
Sonoma Co.

N = Nesting R = Roosting F = Forage

Biological Assessment Area - Muniz Bound.

NSO Data Base 12/12/01
3.5% brush



90.5% Forest
NSO 004
E. Russian Gulch

6.0% Grass
NSO 068
nest location unknown



NSO 068?
Creek

Duncans Mills 1978
Scale: 1" = 2000'

S 548, T 7N, R 11W
MDB + M

Sonoma Co.

Northern Spotted Owl Survey MUNIZ BOUNDARY 2002 Calls 1,2,3

LANDOWNERS: **Berry & Russian River Redwoods** THP# **1-03-073-SON** DFG TERRITORY NO. **SON 0068 or 0004** OBSERVERS **Mike Allred** CALL # **1**

GENERAL LOCATION **2 miles NE of Jenner** COUNTY **Sonoma** Quad Name **Duncan's Mills** 7.5 Min **X** T- **7N** R- **11W**
SECS. **5, 8**

DATE @ START **2/25/2002** START TIME (2400 clock): **1844** END TIME: **1924** TOTAL TIME: **40**

HABITAT- Redwood Coast Mesic: **REDWOOD, DF, TANOAK, Huckleberry, Coyote bush, modesty**

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METH. Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|--|
| 1844 | Station A | p | N/A | NO NSO RESPONSE 45 degrees F |
| 1900 | Station B | p | | NO NSO RESPONSE- FULL MOON |
| 1914 | Station C | p | | NO NSO RESPONSE |

DATE @ START **10 April 2002** CALL # **2** OBSERVERS **Mike Allred**

START TIME (2400 clock): **2110** END TIME: **2148** TOTAL TIME: **38**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|---|---|--|
| 2010 | Station A | P | N/A | NO NSO RESPONSE, 52 degrees F |
| 2025 | Station B | p | | NO NSO RESPONSE |
| 2138 | Station C | p | | NO NSO RESPONSE |

DATE @ START **21 May 2002** CALL # **3** OBSERVERS **Mike Allred**

START TIME (2400 clock): **2036** END TIME: **2115** TOTAL TIME: **39**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|--|
| 2036 | Station A | p | N/A | NO NSO RESPONSE 51-56 degrees F |
| 2051 | Station B | p | | NO NSO RESPONSE |
| 2105 | Station C | p | | NO NSO RESPONSE |

SPOTTED OWL FIELD SURVEY MUNIZ BOUNDARY 2003-NSO Calls 4,5,6

Quad Name Duncan's Mills 7.5 Min X LANDOWNERS: Berry & Russian River Redwoods THP# 1-03-073 SON DFG TERRITORY NO. SON 0068 or 0004

CALL # 4 OBSERVERS Mike Allred HABITAT- REDWOOD, DF, TANOAK,, Huckleberry, Coyote bush, modesty

GENERAL LOCATION 2 miles NE of Jenner COUNTY Sonoma T- 7N R- 11W SECS. 5, 8

DATE @ START 3/6/2003 START TIME (2400 clock): 1950 END TIME: 2029 TOTAL TIME: 39

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METH. Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|---|
| 1950 2005 2019 | Station A (see map) Station B Station C | p p p | N/A | NO NSO RESPONSE 51 degrees F NO NSO RESPONSE- Sawwhet NO NSO RESPONSE |

DATE @ START 4/10/03 CALL # 85 OBSERVERS Mike Allred

START TIME (2400 clock): 2121 END TIME: 2202 TOTAL TIME: 41

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|---|--|---|
| 2121 2135 2152 | Station A Station B Station C | P p p | N/A | NO NSO RESPONSE, 43 degrees F NO NSO RESPONSE NO NSO RESPONSE 45 degrees F shooting stars |

DATE @ START 5/25/2003 CALL # 6 OBSERVERS Mike Allred

START TIME (2400 clock): 2054 END TIME: 2144 TOTAL TIME: 50

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm or
breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|---|--|---|
| 2054 2121 2134 | Station A Station B Station C | p p p | single male V & O | NSO RESPONSE windy YES-- NSO RESPONSE followed from A to B NO NSO RESPONSE 51-54 degrees F |

NORTHERN SPOTTED OWL SURVEY MUNIZ BOUNDARY 2003-NSO Calls 7,8,9

LANDOWNERS: **Berry & Russian River Redwoods** THP# **1-03-073 SON** DFG TERRITORY NO. **SO 068 ,004**
 GENERAL LOCATION **2 miles NE of Jenner** COUNTY **Sonoma** Quad Name **Duncan's Mills** T- **7N** R- **11W**
 SECS. **5, 8**

DATE @ START **20 June 2003** CALL # **7** OBSERVERS **Mike Allred**
 START TIME (2400 clock): **2022** END TIME: **2159** TOTAL TIME: **107**
 HABITAT- **REDWOOD, DF, TANOAK,, Huckleberry, Coyote bush, modesty**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm
 breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METH. Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------------------------------|--|--|---|--|
| 2022 2031 2051 2230 | Station A (see map) Station B Station C 10 minute call at NSO068 activity center to test if new activity center | p p p activity center at Sheephouse fork | N/A | NO NSO RESPONSE 58 degrees F NO NSO RESPONSE- 57 degrees F NO NSO RESPONSE-60 degrees F NO response at NSO 068 Activity Center |

DATE @ START **6/30/03** CALL # **8** OBSERVERS **Mike Allred**
 START TIME (2400 clock): **2121** END TIME: **2208**
 TOTAL TIME: **47** WEATHER (In yellow): clear cloudy mist/fog light/rain
 heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|---|---|---|
| 2130 2145 2158 | Station A Station B Station C | P p p | V& O male & young | NSO RESPONSE, 60 degrees F NSO RESPONSE 500' N 44 degrees W temp. 58 degrees NO NSO RESPONSE |

DATE @ START **7/6/2003** CALL # **9** OBSERVERS **Mike Allred**
 START TIME (2400 clock): **2054** END TIME: **2203** TOTAL TIME: **109**
 WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm or
 breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------------------------------|--|---|--|---|
| 2054 2121 2134 2153 2243 | Station A Station B Station C NSO, sex unknown flew over at 24" culvert near slide NSO 068 Activity Center- | p p p | None V & O None | NO NSO RESPONSE 60 degrees F NO NSO RESPONSE 62 degrees F NO NSO RESPONSE 62 degrees F NSO flew just over head-one call coming from down in East Willig (SW Sheephuse) -then silence NO NSO RESPONSE at NSO 068 |

Ref.: THP # 1-03-073 SON (Muniz Boundary)

Date: July 8, 2003

Ken Hoffman
US Fish & Wildlife
1655 Heindon Rd.
Arcata, CA 95521

Dear Mr. Hoffman:

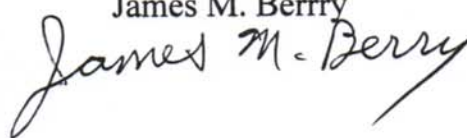
We would like to request technical assistance for determination of Take / No-Take for the Muniz Boundary THP for the year 2003. Included in this packet are the following: The packet includes the following: Section I of the THP showing responsible parties, Item 14 showing the silvicultural system and acreage (all selective), the DFG-CDF NSO data base and map, the 9 NSO calling and mousing records from Allred and Berry, aerial photos surrounding NSO 004 and Muniz Boundary, 1.3 mile vegetative analysis of NSO 068 and the 1.3 mile biological assessment area map and an updated calling station map.

Nine call dates for Muniz Boundary are as follows: 2/25/02, 4/10/02, 5/21/02; 3/6/03, 4/10/03, 5/25/03, 6/20/03, 6/30/03, 7/6/03. Follow-up checks on NSO 068 Activity Center were done on the last three dates and the activity center was quiet on the night of each positive contact at Muniz Boundary. Allred has twice confirmed the presence of NSO 068 near the activity center earlier in the nesting season. No contact was ever successful at 068 when the owls were heard or sighted around Muniz Boundary. Fledgling status is not known but two young were heard using locational calls to keep in touch with both parents on the opposite side of the canyon near the fork between Sheepphouse and the SW branch more than one mile south of Muniz Boundary.

Correspondence should be sent to: Jim Berry P.O. Box 94 Cazadero, CA 95421.

Calls may be directed to (707) 632-5280.

In search of the Northern Spotted Owl since 1989,

James M. Berry




United States Department of the Interior

FISH AND WILDLIFE SERVICE
1655 Heindon Road
Arcata, CA 95521
Phone (707) 822-7201 FAX (707) 822-8411



In Reply Refer To:
AFWO
1-14-2003-TA-1900

July 21, 2003

Ms. Leslie Markham
Deputy Chief, Forest Practice
Dept. of Forestry and Fire Protection
135 Ridgeway Avenue
Santa Rosa, CA 95402

Subject: Response to Request for Technical Assistance Regarding Timber Harvest Plan 1-03-073 SON

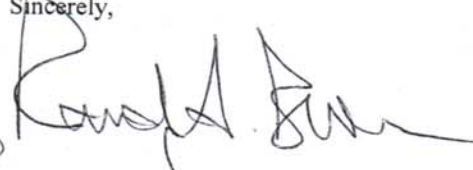
Dear Ms. Markham:

This responds to a request for U.S. Fish and Wildlife Service (Service) technical assistance, received in our office on July 8, 2003, on the above timber harvest plan (THP). At issue in the request is the potential for incidental take of the Federally listed northern spotted owl (*Strix occidentalis caurina*) as a result of operations conducted on the above THP. After review of the information pertaining to this request, the Service provides the following technical assistance.

This is A30-acre (selection) THP located in Sections 5 and 8, Township 7 North, Range 11 West, M.D.B. & M. in Sonoma County. There are no known northern spotted owl activity centers located within 1,000 feet of the above THP. The Service has determined that operations as proposed on this THP would not be likely to incidentally take northern spotted owls, provided operations are complete prior to February 1, 2004.

All maps and data used to provide this technical assistance are on file at this office. If you have questions regarding this response, please contact Mr. Ken Hoffman at the Arcata Fish and Wildlife Office at (707) 822-7201.

Sincerely,

Acting For

Michael M. Long
Field Supervisor

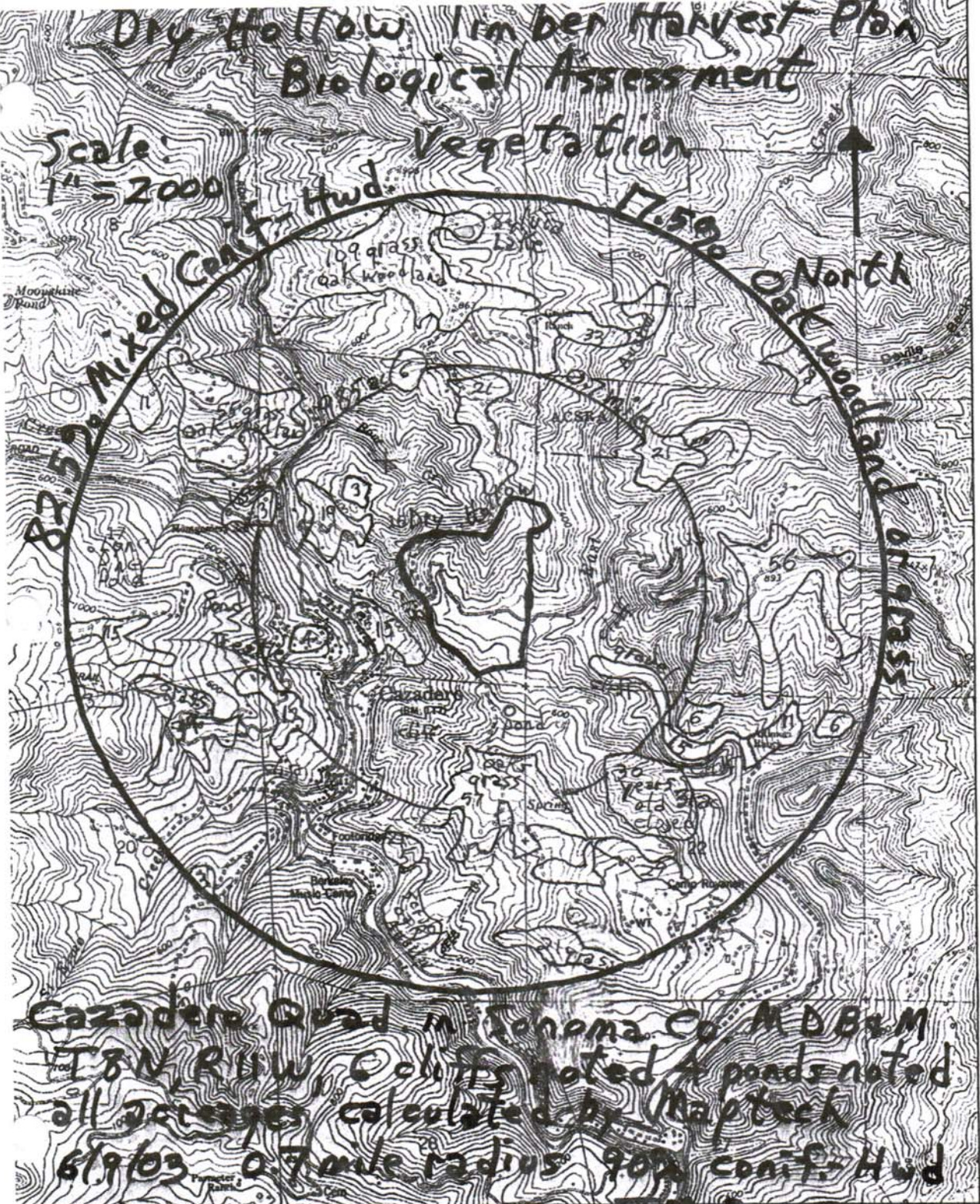
cc:
RPF: J. Berry, PO Box 94, Cazadero, CA 95421

End of Muniz Boundary THP#1-03-172 SON & beginning of Grider-Berry THP#1-04-040 SON

Dry Hollow Limber Harvest Plan Biological Assessment

Scale:
1" = 2000'

Vegetation

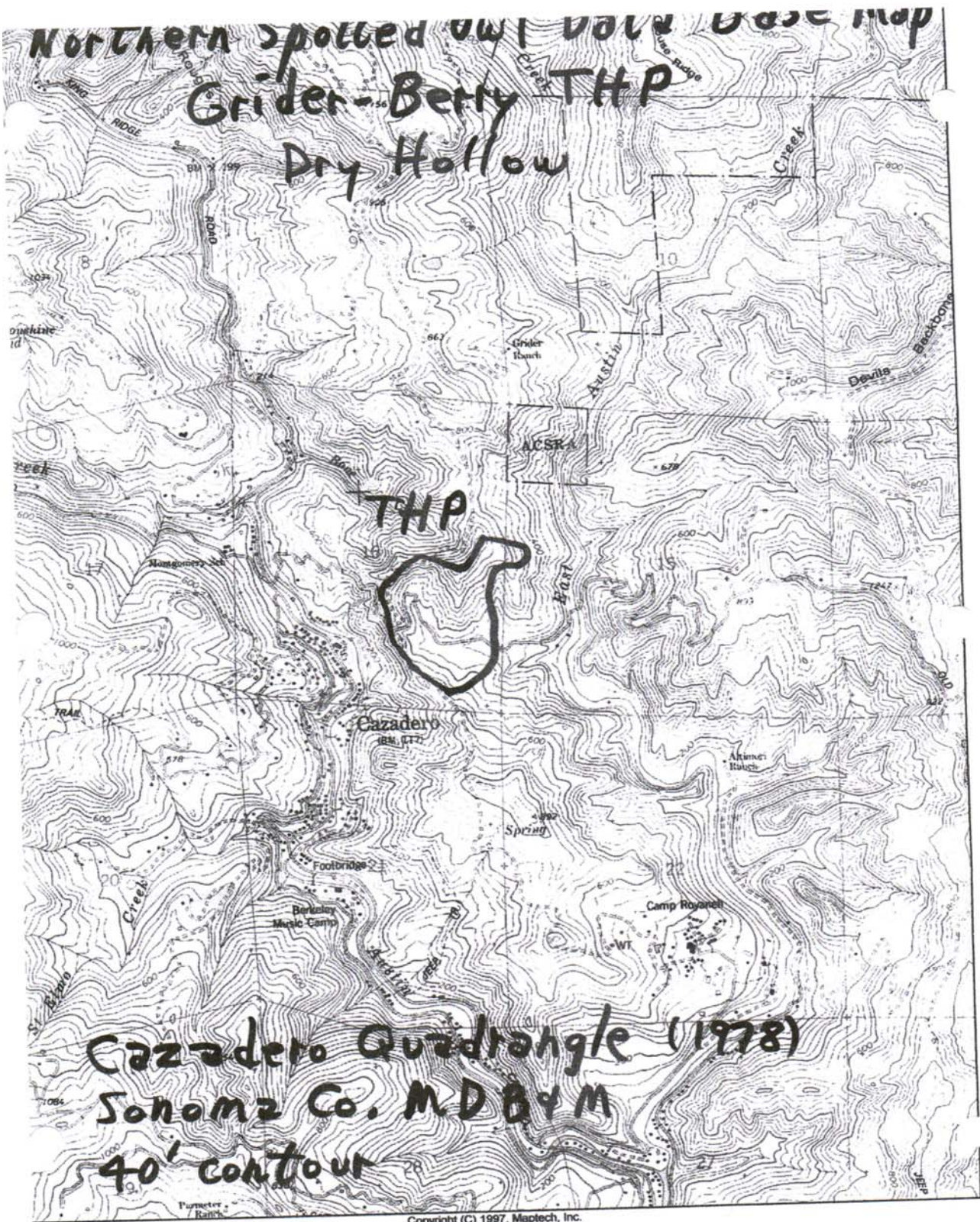


Cazadero Quad. in Sonoma Co. M.D.B.M.
T8N R11W, Coliffs noted, Ponds noted
all percentages calculated by Maptech
6/9/03 0.7 mile radius 90% conif. Hwd

Oct. 9, 2003

Copyright (C) 1997, Maptech, Inc.

J.M.B.



Northern Spotted Owl Data Base Map
Grider-Berry THP
Dry Hollow

THP

Cazadero Quadrangle (1978)
Sonoma Co. M.D.B.M.
40' contour

NORTHERN SPOTTED OWL DATABASE
Recorded Observation Information Request

To: California Department of Forestry and Fire Protection
135 Ridgway Ave.
Santa Rosa, CA 95401

Attn: Forest Practice

REQUESTER:

Name: LOREN M.. BERRY

Address: P.O. Box 90, Cazadero, CA 95421

Phone: 707-865-2365 FAX: 707-865-2048

LOCATION:

Plan Name: Grider-Berry

PRIMARY COUNTY: Sonoma

Legal Description of Plan Area and Sections within 1.5 miles:

THP is Township 8 North, Range 11 West, Sections 15 & 16

SECTIONS WITHIN 1.5 MILES:

Tnshp 8 North, Rng 11 West, Sections 8,,9, 10,11,14, 15, 16, 17, 20, 21, 22, 23, 27, 28, 29

MAP: Attached is a map showing the location of potential operations taken from the
Cazadero USGS 7.5 minute topographic quadrangles.

SIGNATURE: Loren M. Berry (RPF) (PCB) # 1193

DATE RECEIVED:

For CDF use only

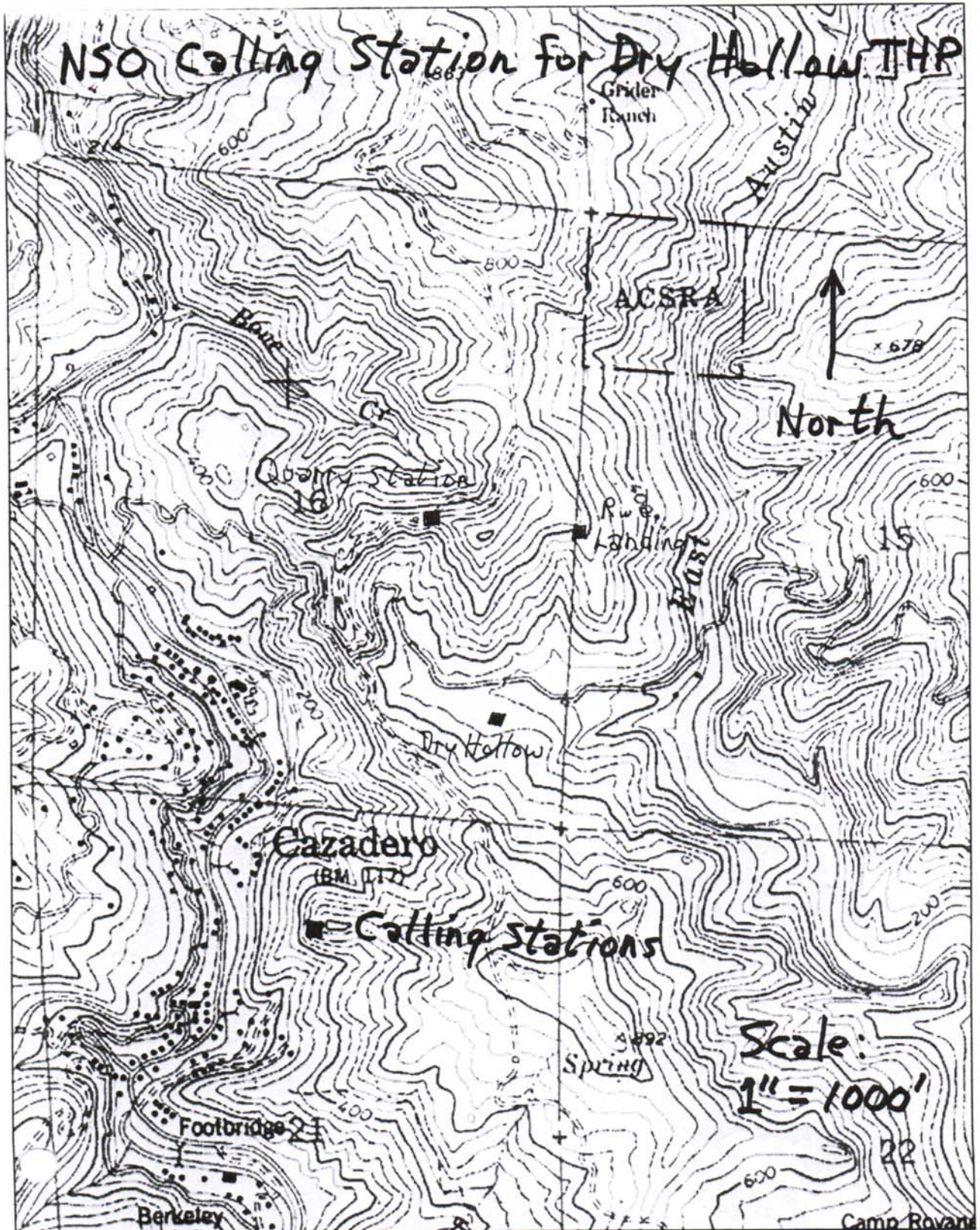
Date response mailed: 4-25-03

Request ID#: 3551

RECEIVED

APR 22 2003

COAST AREA OFFICE
RESOURCE MANAGEMENT



RPF: 1193
RQST. NO.: 3551

#: 1193

04/25/2003
Pg: 1

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM
Version 2.0

REPORT #1 DATA

REPORT OF AREAS SEARCHED

| COUNTY | TOWNSHIP | RANGE | SECTION | TERRITORY |
|--------|----------|-------|---------|---------------------|
| SO | 8N | 11W | 8 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 9 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 10 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 11 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 14 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 15 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 16 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 17 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 20 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 21 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 22 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 23 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 27 | SO061 |
| SO | 8N | 11W | 28 | ** NO OWLS KNOWN ** |
| SO | 8N | 11W | 29 | ** NO OWLS KNOWN ** |

NOTE: THREE SEPERATE REPORTS ARE GENERATED IF NORTHERN SPOTTED OWL RECORDS ARE KNOWN FROM THE REQUESTED AREA. THE SECOND AND THIRD REPORTS WILL NOT PRINT IF OBSERVATIONS RECORDS ARE NOT FOUND.

RPF: 1193
RQST. NO.: 3551

#: 1193

04/25/2003
Pg: 1

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

Version 2.0

December 16, 2002

REPORT #2

DATA

REPORT OF TERRITORIES FOUND

| LOCALE | TWN | RNG | SECT | 1/4 | 1/16 | 1/64 | OWNER | | YEAR TERR. | NEST/YNG |
|------------------|-----|-----|------|-----|------|------|-------|-------|------------|----------|
| | | | | | | | TYPE | OWNER | | |
| TERRITORY: S0061 | | | | | | | | | | |
| AUSTIN CR | 8N | 11W | 34 | NE | SW | SW | PVT | | 97 - S | - |

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANATION SHEET" DATED AFTER JANUARY 1, 1994.

NORTHERN SPOTTED OWL FIELD SURVEY-Grider-Berry 2002 Calls 1,2,3

LANDOWNER Grider (Dry Hollow) THP# 1-04-040 SON DFG TERRITORY NO. None known OBSERVERS Jim Berry and Bonny CALL # 1

GENERAL LOCATION East Cazadero COUNTY Sonoma Quad Name Cazadero (7.5 Min & NAD 27) T- 8N R- 11W
SECS. 15, 16

DATE @ START 8 August 2002 START TIME (2400 clock): 2128 END TIME: 2310 TOTAL TIME 82

HABITAT TYPE : Douglas Fir, Oregon White Oak, Tanoak, laurel, madrone, maple, manzanita, poison oak

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (0) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|---|---|
| 2128 | barrow pit on ridge road | P | N/A | NO NSO RESPONSE |
| 2205 | Redwood landing | P | N/A | NO NSO RESPONSE -Donny's dogs |
| 2104 | Buckhorn | P | N/A | NO NSO RESPONSE -hound and crickets |
| 2305 | Dry Hollow | P | N/A | NO NSO RESPONSE - |
| 2240 | Screech at Buckhorn | P | 0 sex | No vocal response but sighted- not THP |
| 2300 | sawwhett at Dry Hollow in rd. | P | unknown 0 sex unknown | Sighted-not in THP |

OBSERVERS: Jim Berry and Bonny DATE @ START 19 August 2002 Call # 2

START TIME (2400 clock): 2138 END TIME: 2148 TOTAL TIME: 70

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND: (bold) calm breeze no

| | | | | |
|------|---|---|----------|---|
| 2138 | barrow pit on ridge road | P | male (V) | NSO response from 1200'south through sound of dogs generator, plane, crickets |
| 2153 | Redwood landing | P | male (V) | NSO response from same spot |
| 2208 | Dry Hollow | P | male (V) | NSO response with 10 minute voice call |
| 2218 | Oregon oak saddle at gate to sunrise | P | | NO NSO RESPONSE |
| 2138 | back to dry hollow | | | NO NSO RESPONSE |

DATE @ START 28 August 2004 CALL # 3 OBSERVERS Jim Berry and Bonny

START TIME (2400 clock): 2048 END TIME: 2155 TOTAL TIME: 67

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze

| | | | | |
|------|----------------------|---|-----|--------------------------------|
| 2048 | barrow pit on ridge | P | N/A | NO NSO RESPONSE- 60 degrees F |
| 2103 | redwood landing | P | N/A | NO NSO RESPONSE- crickets loud |
| 2119 | buckhorn outside THP | P | N/A | NO NSO RESPONSE- crickets loud |
| 2145 | dry hollow | P | N/A | NO NSO RESPONSE- crickets loud |

NORTHERN SPOTTED OWL FIELD SURVEY-Grider-Berry-2003 Calls 4,5,6

Quad Name Cazadero 7.5 Min X THP# 1-04-040 SON LANDOWNER Grider (Dry Hollow)

GENERAL LOCATION East Cazadero COUNTY Sonoma T- 8N R- 11W SECS. 15, 16

DFG TERRITORY NO. None known CALL # 4 OBSERVERS Jim Berry

DATE @ START 12 April 2003 START TIME (2400 clock): 2015 END TIME: 2102 TOTAL TIME 47

HABITAT TYPE : Redwood , Douglas Fir, Oregon White Oak, Tanoak , laurel, madrone, maple , poison oak, ferns

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no Full moon

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2015 | Redwood landing | P | N/A | NO NSO RESPONSE |
| 2031 | barrow pit on ridge road | P | N/A | NO NSO RESPONSE |
| 2052 | Dry Hollow Landing sawwhett at Dry Hollow in rd. | P | N/A | NO NSO RESPONSE Pygmy at 300' east and unrelated sharp harsh sound from north |

OBSERVERS: Jim Berry CALL # 5 DATE @ START 12 May 2003

START TIME (2400 clock): 2056 END TIME: 2151 TOTAL TIME: 57

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|--------------------------|---|-----|---|
| 2056 | barrow pit on ridge road | P | N/A | No NSO Response-- Screech stopped when NSO call started--coyotes to north No NSO Response-- Tree frogs, East Austin Creek, jet sound--Sawwhet to northeast and down towards E. Austin No NSO Response----Screech and Sawwhet called at 2142 but sawwhet kept going to SW where NSO was on call #2. |
| 2117 | Redwood landing | P | N/A | |
| 2141 | Dry Hollow | P | N/A | |

DATE @ START 21 May 2003 CALL # 6 OBSERVERS Jim Berry

START TIME (2400 clock): 2100 END TIME: 2156 TOTAL TIME: 56

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze No moon

| | | | | |
|------|---------------------|---|-----|---|
| 2100 | barrow pit on ridge | P | N/A | NO NSO RESPONSE- 67 degrees F Screech at 2102 NO NSO RESPONSE- 63 degrees F NO NSO RESPONSE- 59 degrees F Pygmy at 2150, one call in Oregon oaks to south |
| 2114 | redwood landing | P | N/A | |
| 2146 | dry hollow | P | N/A | |

NORTHERN SPOTTED OWL FIELD SURVEY-Grider-Berry-2004 Calls 7,8,9

THP# #1-04-040 SON DFG TERRITORY NO. None known CALL # 7 OBSERVERS Jim Berry

GENERAL LOCATION East Cazadero COUNTY Sonoma Quad Name Cazadero (7.5 Min &NAD 27) T- 8N R- 11W
 SECS. 15, 16 LANDOWNER Grider (Dry Hollow)

DATE @ START 21 April 2004 START TIME (2400 clock): 2025 END TIME: 2204 TOTAL TIME 39

HABITAT TYPE : Redwood , Douglas Fir, Oregon White Oak, Tanoak , laurel, madrone, maple , poison oak, ferns

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no Full moon

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|---|---|
| 2400 clock | | | | |
| 2125 | Redwood landing | P | N/A | NO NSO RESPONSE 50 degrees F |
| 2138 | barrow pit on ridge road | P | N/A | NO NSO RESPONSE 49 degrees |
| 2154 | Dry Hollow Landing | P | N/A | NO NSO RESPONSE 49 degrees |

OBSERVERS: Jim Berry CALL # 8 DATE @ START 29 June 2004

START TIME (2400 clock): 2120 END TIME: 2207 TOTAL TIME: 47

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|--------------------------|---|-----|--------------------------------|
| 2120 | barrow pit on ridge road | P | N/A | No NSO Response—65 degrees F |
| 2134 | Redwood landing | P | N/A | No NSO Response— 56 degrees F |
| 2157 | Dry Hollow | P | N/A | No NSO Response---58 derees F- |

DATE @ START 16 July 2004 CALL # 9 OBSERVERS Jim Berry

START TIME (2400 clock): 2145 END TIME: 2231 TOTAL TIME: 46

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (Circle one): calm breeze No moon

| | | | | |
|------|---------------------|---|-----|--|
| 2145 | barrow pit on ridge | P | N/A | NO NSO RESPONSE- 60 degrees F |
| 2200 | redwood landing | P | N/A | NO NSO RESPONSE- 54 degrees F heard "taps" bugle at Cazpac music camp |
| 2221 | dry hollow | P | N/A | NO NSO RESPONSE- 52 degrees F |

NORTHERN SPOTTED OWL FIELD SURVEY-Grider-Berry-Calls 10,11,12-2005

LANDOWNER Grider (Dry Hollow) THP# 1-04-040 SON DFG TERRITORY NO. None known CALL # 10 OBSERVERS Jim Berry

GENERAL LOCATION East of Cazadero COUNTY Sonoma Quad Name Cazadero 7.5 Min X T- 8N R- 11W
SECS. 15, 16

HABITAT TYPE : Redwood , Douglas Fir, Oregon White Oak, Tanoak , laurel, madrone, maple , poison oak, ferns

DATE @ START 13 April 2005 START TIME (2400 clock): 2141 END TIME: 2232 TOTAL TIME: 51

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no Full moon

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog= LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|---|---|---|
| 2141 | barrow pit on ridge road Redwood | P | N/A | NO NSO RESPONSE 50 degrees F |
| 2155 | landing | P | N/A | NO NSO RESPONSE 49 degrees & breeze |
| 2222 | Dry Hollow Gulch | P | N/A | NO NSO RESPONSE |

OBSERVERS: Jim Berry CALL # 11 DATE @ START 27 April 2005

START TIME (2400 clock): 2127 END TIME: 2225 TOTAL TIME: 58

WEATHER (Circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 CLOCK | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------------|---|--|---|---|
| 2127 | barrow pit on ridge road | P | N/A | No NSO Response-- 49 degrees F. |
| 2147 | Redwood landing | P | N/A | No NSO Response-- 49 degrees F. |
| 2215 | Dry Hollow | P | N/A | No NSO Response--48 degrees F |

DATE @ START 15 May 2005 CALL # 12 OBSERVERS Jim Berry

START TIME (2400 clock): 2154 END TIME: 2245 TOTAL TIME: 51

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze No moon

| TIME 2400 CLOCK | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--------------------|---|--|---|--|
| 2154 | barrow pit on ridge | P | N/A | NO NSO RESPONSE |
| 2214 | redwood landing | P | N/A | NO NSO RESPONSE |
| 2235 | dry hollow | P | N/A | NO NSO RESPONSE |

Ref.: THP # 1-04-040 SON

Date: May 15, 2005

Ken Hoffman
U.S. Fish & Wildlife
1655 Heindon Rd.
Arcata, CA 95521

Dear Mr. Hoffman:

We would like to request technical assistance for determination of NSO Take / No-Take for the Dry Hollow THP for the year 2005. Twelve completed call dates for Dry Hollow are as follows: 8/8/02, 8/19/02, 8/28/02; 4/12/03, 5/12/03, 5/21/03, 4/21/04, 6/29/04, 7/16/04, 4/13/05, 4/27/05, 5/15/05. There were no new NSO responses for 2005. The NSO log data are enclosed for 2005. Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Normal protocol also includes a TAC letter to the Resource Manager for CDF in Region 1.

Phone calls may be directed to (707) 632-5280.

In search of the Northern Spotted Owl each year since 1989,

James M. Berry



United States Department of the Interior

FISH AND WILDLIFE SERVICE
1655 Heindon Road
Arcata, CA 95521
Phone (707) 822-7201 FAX (707) 822-8411



In Reply Refer To:
AFWO
I-14-2004-TA-2384

JUL 29 2004

Ms. Leslie Markham
Deputy Chief, Forest Practice
Dept. of Forestry and Fire Protection
135 Ridgeway Avenue
Santa Rosa, CA 95402

Subject: Response to Request for Technical Assistance Regarding Timber Harvest Plan 1-04-040 SON

Dear Ms. Markham:

This responds to a request for U.S. Fish and Wildlife Service (Service) technical assistance, received in our office on July 21, 2004, on the above timber harvest plan (THP). At issue in the request is the potential for incidental take of the Federally listed northern spotted owl (*Strix occidentalis caurina*) as a result of operations proposed on the above THP. After review of the information pertaining to this request, the Service provides the following technical assistance.

This is a 95-acre (selection) THP located in Sections 15 and 16, Township 8 North, Range 11 West, M.D.B. & M. in Sonoma County (see enclosed map). There are no known northern spotted owl activity centers located within 1,000 feet of the THP. The Service has determined that operations conducted on the above THP would not be likely to incidentally take northern spotted owls, provided operations are complete prior to February 1, 2005.

All maps and data used to provide this technical assistance are on file at this office. If you have questions regarding this response, please contact Mr. Ken Hoffman at the Arcata Fish and Wildlife Office at (707) 822-7201.

Sincerely,

Michael M. Long
Field Supervisor

Enclosure

cc:
J. Berry, PO Box 94, Cazadero, CA 95421

**End of Grider-Berry THP#1-04-040 SON and
beginning of Markham's Overlook THP#1-05-099 SON
NSO SON 0049**

In 1994, Jim Berry, Joyce Berry, Mike Allred and a very young Kaity Berry hiked up to the 0049 activity Center during the day. A Douglas Chicory was chattering at the NSO who was circling us and calling. The NSO made no attempt to attack the squirrel. The NSO was photographed at that time.

Sawmill Gulch THP#1-01-105 SON and Markham's Overlook THP 1-05-099 have the same audible amphitheatre (Sawmill Gulch) for NSO calling and nearly the same BAA and vegetative habitat (see tables) so most information can be applied to both. All calling for Markham's merely adds to the Sawmill Gulch data and provides a longer survey and analysis time window. The NSO SON 0049 found up to 1994 returned calls until a Great Horned owl moved in as noted by Allred, Berry and Wooster. Wooster believed that 0049 moved just over the hump to Jenner Gulch but attempts by Allred to call again the next year were unsuccessful. After one positive contact by Wooster and Woolsey in Jenner Gulch the NSO was not found again. However, Jenner Creek still has good habitat and could easily host 0049 for two miles upstream or on one of three tributaries.

No selective harvest took place until 2001 so the habitat on Sawmill Gulch had no change until about 7 years after the last contact in 1994.

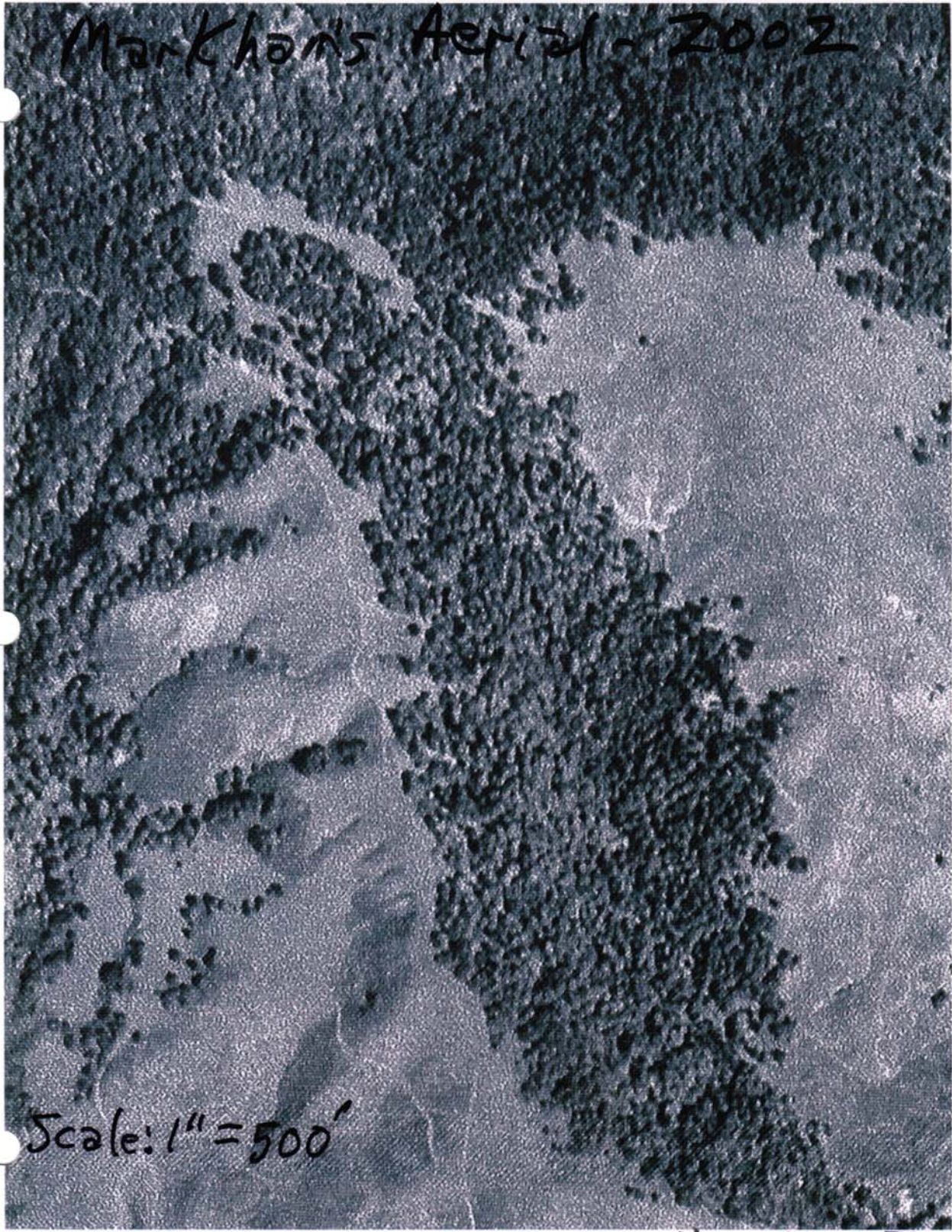
When Mike Allred died suddenly in 2009, the time and energy required to follow up on many NSO's died with him.

1.3 mile Biological Assessment Map Markham's Overlook THP



Duncans Mills Quad. in Sonoma Co. MDB/M
T8N,
Scale: 1" = 2000'

Markham's Aeria - 2002

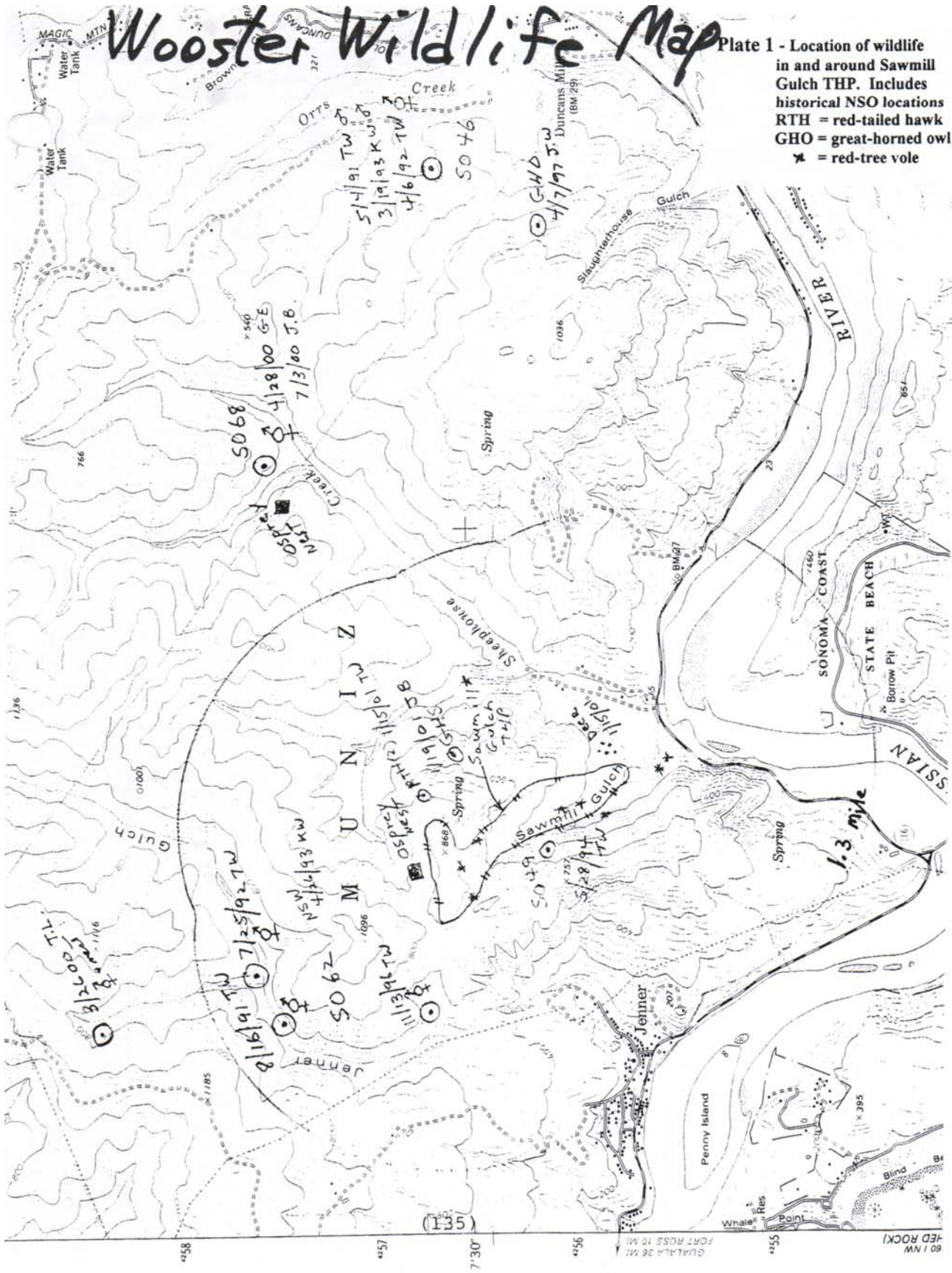


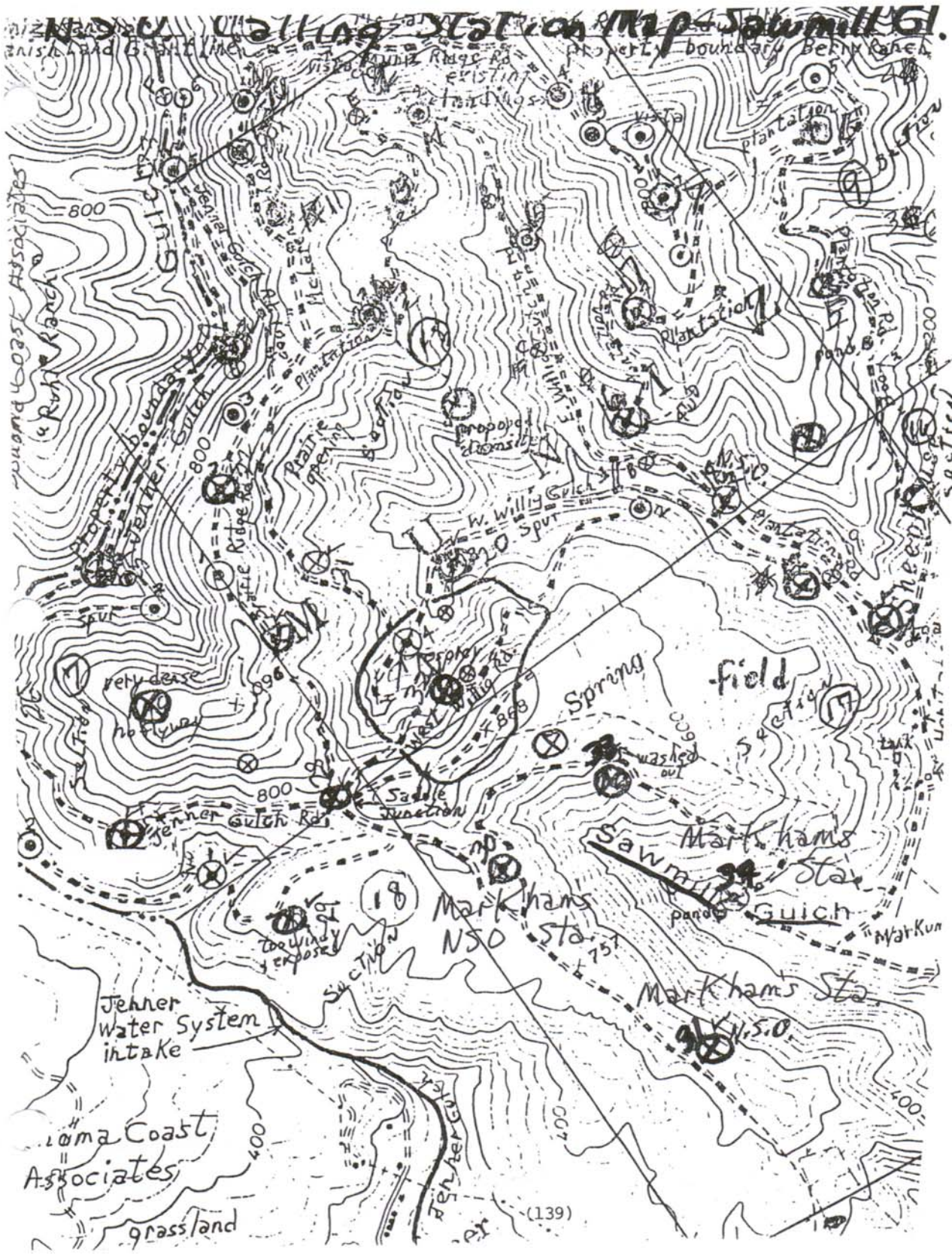
Scale: 1" = 500'

Hwy. 116 →

Wooster Wildlife Map

Plate 1 - Location of wildlife in and around Sawmill Gulch THP. Includes historical NSO locations
 RTH = red-tailed hawk
 GHO = great-horned owl
 * = red-tree vole





and small openings appear to be good habitat match.

Risk: Present small bird and shore bird (Kildeer, etc) population is good. Harvest should increase forage for prey by opening the Redwood canopy. More sunlight will promote some shrubs, wildflowers and herbs which will encourage and support prey for daytime raptors. Merlin is absent from this area during harvest season.

Mitigation: None appropriate. Habitat may be improved by harvest.

Northern Spotted Owl (*Strix occidentalis caurina*)

Status: Fed-Threatened (1990); CA-Species of Special Concern; Board of Forestry-Sensitive

Habitat Needs: The vegetative requirements are at least a small area of 80% canopy cover, a lack of understory and fly through corridors. Preferred prey is Dusky-footed Packrat and mice. NSO often uses abandoned nests from hawks and ravens etc.

BAA & THP: Both the BAA and THP appear to have excellent vegetative habitat for NSO's in the 34% forest within 1.3 miles and there is evidence of pack rats, Red Tree Vole and Douglas Chicaree in the THP.

Risk: Thorough protocol calling has revealed NSO presence near the THP but there has been no response since 1997. The NDDDB NSO Activity Center shown on the map has been detected by several observers since the time it was originally documented (NSO # 049- 8/16/91). The pair have not been heard or sighted (within the THP) since 1997.

Mitigation: Long term monitoring will continue and habitat will be retained.

Osprey (*Pandion haliaetus*)

Status: CA-Species of Special Concern; Board of Forestry-Sensitive

Habitat Needs: Osprey requires large deformed or broken top trees or snags for nests. Also needs at least two "pilot" trees near nest and vertical nest access. Most nests are high above ocean or rivers. Osprey needs to fish in large rivers, oceans or estuaries.

BAA & THP: A few potential large trees for nesting are available in the BAA and THP. Nests are easily seen, and none are in the THP. The RPF Designee has monitored two nests in the BAA since 1980 and 1998 (shown on the BAA map). The 1980 nest fell apart in the Winter of 2001-2002. The second nest is 1.4 miles northeast and was occupied in 2003 and 2004. Otherwise, there is good elevation for easy access to the ocean and Russian River on this TPZ. There is also an Osprey colony 124 degrees clockwise and 1.3 air-miles distant. Otherwise, there is good elevation for easy access to the ocean and Russian River.

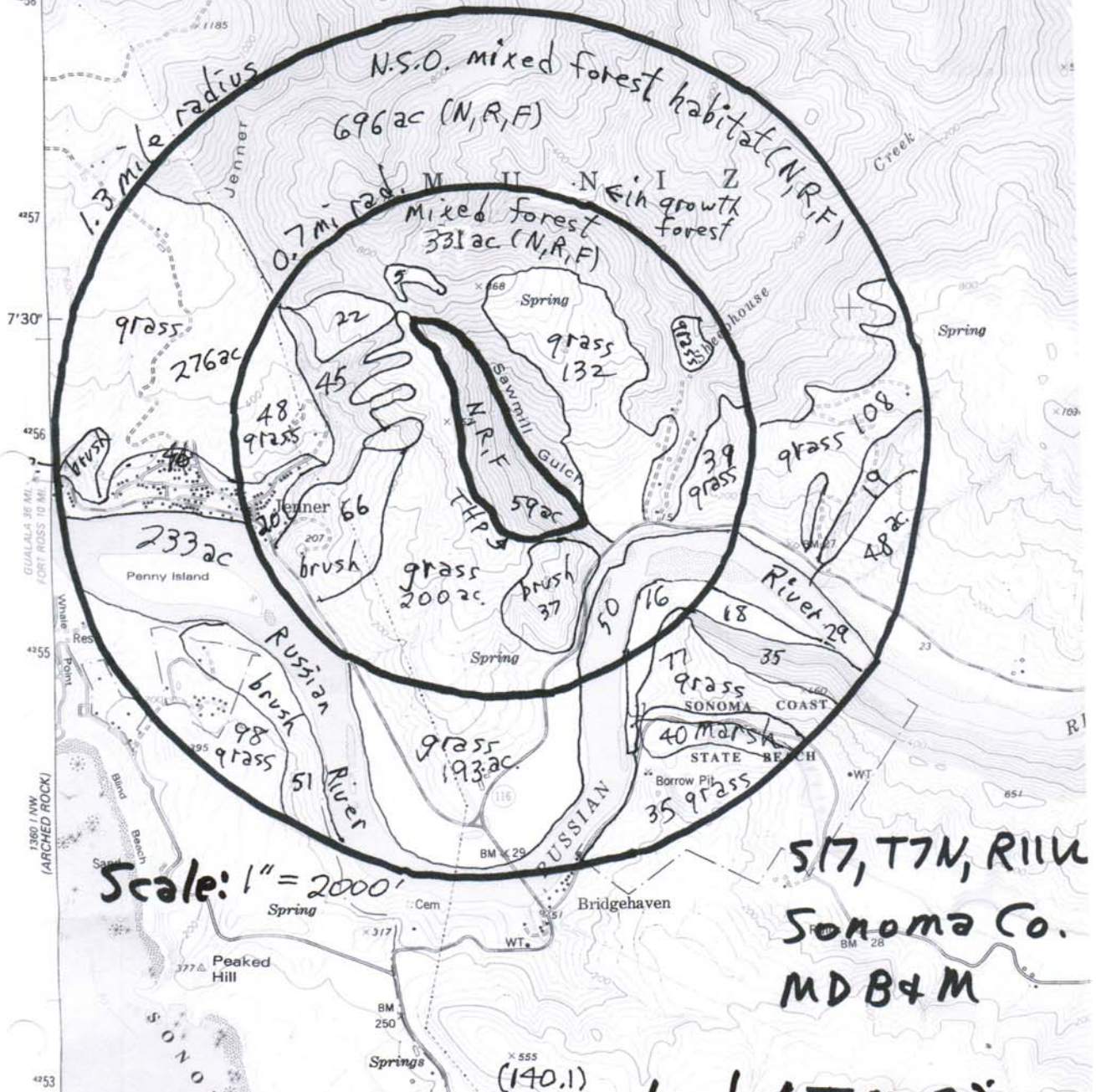
Risk: No known likely large flat-topped trees in the THP. Most of the large trees in the BAA should be available indefinitely. Osprey survival also depends on good

Northern Spotted Owl Vegetative Habitat Acreage from Map
Markham's Overlook

| AREA | 0.7 mile radius—895 acres | 1.3 mile—3398 acres |
|--|---------------------------|---------------------|
| NON-HABITAT | | |
| GRASS | 474ac. | 130 |
| RIVER | 55 | 288 |
| BRUSH | 103 | 166 |
| URBAN | 22 | 66 |
| MARSH | 10 | 40 |
| TOTAL | 664 | 1869 |
| NESTING-ROOSTING-FORAGING BEFORE AND AFTER HARVEST | | |
| FOREST | 331 | 1559 |

NSO Vegetative Habitat- Markham's

N = nesting, R = Roosting, F = Forage ↑
2005



California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

Version 2.0

March 4, 2005

REPORT #3

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REPORT OF SIGHTINGS REPORTED FOR TERRITORIES FOUND

| TWN | RNG | SECT | 1/4 | 1/16 | 1/64 | DATE SEEN | OBSERVER | NO. OF OWLS | AGE- SEX | NO. OF PAIR | YNG. | NEST |
|------------------|-----|------|-----|------|------|------------|-----------------|----------------|-------------|----------------|------|------|
| TERRITORY: S0022 | | | | | | | | | | | | |
| 7N | 11W | 23 | SW | SE | CW | 11/23/1990 | WOOSTER | 2 | UMUF | Y | 0 | |
| 7N | 11W | 25 | | | | 04/07/1991 | WOOSTER | 0 | | | 0 | |
| 7N | 11W | 26 | NW | | | 04/07/1991 | WOOSTER | 0 | | | 0 | |
| 7N | 11W | 23 | SW | SE | | 04/08/1991 | WOOSTER | 2 | UMUF | Y | 0 | Y |
| 7N | 11W | 23 | SW | SE | SE | 06/06/1991 | LPC | 2 | UMUF | Y | 1 | Y |
| 7N | 11W | 23 | SW | SE | SE | 01/01/1992 | LPC | 2 | UMUF | Y | 0 | |
| 7N | 11W | 23 | SW | | | 01/23/1992 | WOOSTER-STAFFOR | 1 | UM | | 0 | |
| 7N | 11W | 23 | | | | 01/23/1992 | WOOSTER-STAFFOR | 2 | UMUF | Y | 0 | |
| | | 0 | | | | 04/01/1992 | LPC | 1 | UM | | 0 | |
| 7N | 11W | 26 | NW | NW | | 05/07/1992 | WOOSTER | 2 | UMUF | Y | 0 | |
| | | 0 | | | | 06/03/1992 | LPC | 0 | | | 0 | |
| 7N | 11W | 23 | SE | SW | SS | 01/01/1993 | LPC | 2 | UMUF | Y | 0 | |
| 7N | 11W | 0 | | | | 01/01/1994 | LPC | 0 | | | 0 | |
| | | 0 | | | | 01/01/1995 | LP-not checked | 0 | | | 0 | |
| | | 0 | | | | 01/01/1996 | LPC-not checked | 0 | | | 0 | |
| 7N | 11W | 26 | N | S | C | 01/01/1999 | MRC | 2 | UMUF | Y | 0 | N |
| 7N | 11W | 26 | NW | NE | | 01/01/2000 | MRC | 2 | UMUF | Y | 2 | Y |
| 7N | 11W | 26 | NW | NW | NE | 01/01/2001 | MRC | 2 | UMUF | Y | 0 | Y |
| 7N | 11W | 26 | NW | NW | NE | 05/02/2001 | MRC | 2 | UMUF | Y | 0 | |
| 7N | 11W | 26 | NW | NW | NE | 05/03/2001 | MRC | 2 | UMUF | Y | 0 | |
| 7N | 11W | 26 | NW | NW | NE | 06/19/2001 | MRC | 1 | UM | | 0 | |
| 7N | 11W | 26 | NW | NW | NE | 07/17/2001 | MRC | 2 | UMUF | Y | 0 | |
| 7N | 11W | 26 | NW | NW | NE | 07/18/2001 | MRC | 0 | | | 0 | |
| 7N | 11W | 26 | NW | NE | | 01/01/2002 | MRC | 2 | UMUF | Y | 2 | Y |
| 7N | 11W | 0 | | | | 05/30/2002 | MRC | 2 | UMUF | Y | 0 | Y |
| 7N | 11W | 0 | | | | 05/31/2002 | MRC | 2 | UMUF | Y | 1 | Y |
| 7N | 11W | 0 | | | | 06/27/2002 | MRC | 2 | UMUF | Y | 2 | Y |
| 7N | 11W | 0 | | | | 04/01/2003 | MRC | 1 | UU | | 0 | |
| 7N | 11W | 0 | | | | 05/15/2003 | MRC | 1 | UU | | 0 | N |
| 7N | 11W | 0 | | | | 06/17/2003 | MRC | 2 | UMUF | Y | 0 | |
| 7N | 11W | 0 | | | | 07/23/2003 | MRC | 2 | UMUF | Y | 0 | |
| TERRITORY: S0049 | | | | | | | | | | | | |
| 7N | 11W | 8 | SE | SE | | 08/16/1991 | WOOSTER-BERRY | 1 | UU | | 0 | |

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANATION SHEET" DATED AFTER JANUARY 1, 1994.

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NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM
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DATA

REPORT OF SIGHTINGS REPORTED FOR TERRITORIES FOUND

| TWN | RNG | SECT | 1/4 | 1/16 | 1/64 | DATE SEEN | OBSERVER | NO. OF OWLS | AGE-SEX | NO. OF PAIR YNG. | NEST |
|-----|-----|------|-----|------|------|------------|-------------|-------------|---------|------------------|------|
| 7N | 11W | 6 | NE | SW | SW | 03/11/1998 | WOOLSEY | 1 | UF | | 0 |
| 7N | 11W | 8 | NW | NW | NW | 03/11/1998 | WOOLSEY | 1 | UM | | 0 |
| 7N | 11W | 5 | | | | 03/18/1998 | WOOLSEY | 0 | | | 0 |
| 7N | 11W | 5 | | | | 03/24/1998 | WOOLSEY | 0 | | | 0 |
| 7N | 11W | 7 | | | | 05/18/1998 | BERRY | 0 | | | 0 |
| 7N | 11W | 7 | | | | 06/05/1998 | BERRY | 0 | | | 0 |
| 7N | 11W | 7 | SW | NE | | 06/18/1999 | ROSAN | 1 | UU | | 0 |
| 7N | 11W | 7 | SW | | | 06/19/1999 | ROSAN/NIETO | 0 | | | 0 |
| 7N | 11W | 7 | | | | 06/19/1999 | NEITO | 0 | | | 0 |
| 7N | 11W | 7 | | | | 06/20/1999 | ROSAN | 0 | | | 0 |
| 7N | 11W | 7 | | | | 06/24/1999 | NIETO | 0 | | | 0 |
| 7N | 11W | 7 | NE | NW | SE | 06/25/1999 | | 1 | UM | | 0 |
| 7N | 11W | 7 | NE | SE | NW | 06/25/1999 | NIETO | 1 | UM | | 0 |
| 7N | 11W | 7 | NE | C | | 06/25/1999 | NIETO | 1 | UM | | 0 |
| 7N | 11W | 7 | | | | 07/07/1999 | NIETO | 0 | | | 0 |
| 7N | 11W | 7 | | | | 07/08/1999 | NIETO | 0 | | | 0 |
| 7N | 11W | 7 | NE | SW | SW | 07/22/1999 | | 1 | UU | | 0 |
| 7N | 11W | 7 | | | | 07/22/1999 | ROSANM | 0 | | | 0 |
| 7N | 11W | 7 | NE | NE | NW | 07/25/1999 | WOOSTER | 2 | UMUF | Y | 0 |
| 7N | 11W | 7 | NE | SE | NW | 08/06/1999 | ROSAN | 1 | UM | | 0 |
| 7N | 11W | 7 | NE | SE | NW | 08/06/1999 | ROSAN | 1 | UU | | 0 |
| 7N | 11W | 7 | | | | 08/07/1999 | ROSAN | 0 | | | 0 |
| 7N | 11W | 5 | SW | SW | | 08/11/1999 | WOOLSEY | 1 | UU | | 0 |
| 7N | 11W | 7 | | | | 08/28/1999 | HANSON | 0 | | | 0 |
| 7N | 11W | 6 | SE | SW | | 01/01/2000 | | 0 | | | 0 |
| 7N | 11W | 7 | | | | 03/11/2000 | LEOPARDO | 1 | UF | | 0 |
| 7N | 11W | 7 | | | | 03/11/2000 | LEOPARDO | 1 | UM | | 0 |
| 7N | 11W | 7 | NW | | | 03/11/2000 | KATSUMATA+ | 0 | | | 0 |
| 7N | 11W | 7 | | | | 03/25/2000 | ROSAN | 2 | UMUF | Y | 0 |
| 7N | 11W | 6 | SE | SW | SW | 03/26/2000 | LEOPARDO | 2 | UMUF | Y | 0 |
| 7N | 11W | 7 | | | | 05/18/2000 | ROSAN | 1 | UM | | 0 |
| 7N | 11W | 7 | | | | 05/22/2000 | ROSAN | 0 | | | 0 |
| 7N | 11W | 7 | | | | 03/29/2001 | LEOPARDO | 0 | | | 0 |
| 7N | 11W | 6 | SE | SE | NE | 04/29/2001 | LEOPARDO | 1 | UM | | 0 |
| 7N | 11W | 5 | NW | SW | SE | 07/30/2001 | BENNETT | 1 | UM | | 0 |
| 7N | 11W | 5 | | | | 04/07/2002 | LEOPARDO | 0 | | | 0 |

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| TWN | RNG | SECT | 1/4 | 1/16 | 1/64 | DATE SEEN | OBSERVER | NO. OF OWLS | AGE-SEX | NO. OF PAIR YNG. | NEST |
|------------------|-----|------|-----|------|------|------------|-----------------|-------------|---------|------------------|------|
| 7N | 11W | 7 | NE | NE | NW | 04/08/2002 | LEOPARDO | 2 | UMUF | Y | 0 |
| 7N | 11W | 7 | N | | | 04/24/2002 | LEOPARDO | 0 | | | 0 |
| 7N | 11W | 6 | | | | 05/15/2002 | GILLOTT | 0 | | | 0 |
| 7N | 11W | 7 | N | N | C | 05/16/2002 | VISCARRA+ | 0 | | | 0 |
| TERRITORY: S0068 | | | | | | | | | | | |
| 7N | 11W | 4 | S | C | | 07/28/1993 | WOOSTER+ | 1 | UM | | 0 |
| 7N | 11W | 4 | | | | 03/08/1994 | MAGNUSON+WOOSTE | 0 | | | 0 |
| 7N | 11W | 4 | SW | W | | 04/23/1997 | WOOLSEY | 0 | | | 0 |
| 7N | 11W | 4 | SW | SE | | 04/24/1997 | WOOLSEY | 1 | UU | | 0 |
| 7N | 11W | 9 | NW | NE | | 04/25/1997 | WOOLSEY | 2 | UMUF | Y | 0 |
| 7N | 11W | 3 | | | | 06/14/1999 | WILLIAMS | 0 | | | 0 |
| 7N | 11W | 3 | | | | 06/14/1999 | WILLIAMS | 0 | | | 0 |
| 7N | 11W | 4 | | | | 06/19/1999 | ROSAN | 0 | | | 0 |
| 7N | 11W | 3 | | | | 06/20/1999 | ROSAN | 0 | | | 0 |
| 7N | 11W | 9 | | | | 06/24/1999 | NIETO | 0 | | | 0 |
| 7N | 11W | 3 | | | | 06/24/1999 | NIETO | 0 | | | 0 |
| 7N | 11W | 3 | | | | 06/25/1999 | NIETO | 0 | | | 0 |
| 7N | 11W | 4 | | | | 07/07/1999 | NIETO | 0 | | | 0 |
| 7N | 11W | 3 | | | | 07/08/1999 | NIETO | 0 | | | 0 |
| 7N | 11W | 4 | | | | 07/22/1999 | ROSAN | 0 | | | 0 |
| 7N | 11W | 5 | | | | 08/06/1999 | ROSAN | 0 | | | 0 |
| 7N | 11W | 3 | | | | 08/07/1999 | ROSAN | 0 | | | 0 |
| 7N | 11W | 5 | | | | 08/28/1999 | HANSON | 0 | | | 0 |
| 7N | 11W | 4 | SW | NE | SW | 03/25/2000 | ROSAN | 1 | UM | | 0 |
| 7N | 11W | 5 | SE | SE | NE | 03/26/2000 | ROSAN, LEOPARDO | 2 | UMUF | Y | 0 Y |
| 7N | 11W | 4 | SW | NE | SW | 03/26/2000 | LEOPARDO | 1 | UM | | 0 |
| 7N | 11W | 3 | | | | 04/08/2000 | ROSAN | 0 | | | 0 |
| 7N | 11W | 3 | | | | 05/19/2000 | ROSAN | 0 | | | 0 |
| 7N | 11W | 3 | | | | 05/22/2000 | ROSAN | 0 | | | 0 |
| 7N | 11W | 3 | | | | 06/02/2000 | ROSAN | 0 | | | 0 |
| 7N | 11W | 9 | | | | 07/03/2000 | ALLRED, BERRY | 2 | UMUF | Y | 0 |
| 7N | 11W | 4 | C | | | 03/28/2001 | LEOPARDO | 1 | UM | | 0 |
| 7N | 11W | 4 | SW | SW | SW | 03/29/2001 | VISCARRA | 2 | UMUF | Y | 0 Y |
| 7N | 11W | 5 | SE | SE | SE | 03/29/2001 | LEOPARDO | 1 | UF | | 0 |
| 7N | 11W | 9 | NE | NW | NW | 04/29/2001 | LEOPARDO | 1 | UM | | 0 |

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REPORT #3 DATA

REPORT OF SIGHTINGS REPORTED FOR TERRITORIES FOUND

| TWN | RNG | SECT | 1/4 | 1/16 | 1/64 | DATE SEEN | OBSERVER | NO. | | NO. | |
|-----|-----|------|-----|------|------|------------|---------------|---------|---------|---------|-----------|
| | | | | | | | | OF OWLS | AGE-SEX | OF PAIR | YNG. NEST |
| 7N | 11W | 4 | SW | NW | SE | 04/29/2001 | LEOPARDO | 1 | UF | | 0 |
| 7N | 11W | 4 | SW | NW | NW | 05/30/2001 | ROSAN | 1 | UM | | 0 |
| 7N | 11W | 9 | | | | 08/12/2001 | ALLRED | 0 | | | 0 |
| 7N | 11W | 9 | | | | 08/19/2001 | ALLRED | 1 | UU | | 0 |
| 7N | 11W | 9 | | | | 08/29/2001 | ALLRED | 1 | UU | | 0 |
| 7N | 11W | 9 | | | | 02/25/2002 | ALLRED | 0 | | | 0 |
| 7N | 11W | 9 | | | | 03/27/2002 | ALLRED | 0 | | | 0 |
| 7N | 11W | 4 | | | | 04/07/2002 | LEOPARDO | 0 | | | 0 |
| 7N | 11W | 9 | | | | 04/10/2002 | ALLRED | 0 | | | 0 |
| 7N | 11W | 9 | | | | 04/10/2002 | ALLRED | 0 | | | 0 |
| 7N | 11W | 4 | | | | 04/23/2002 | VISCARRA | 0 | | | 0 |
| 7N | 11W | 4 | | | | 05/15/2002 | GILLOTT | 0 | | | 0 |
| 7N | 11W | 4 | SW | SW | SE | 05/16/2002 | | 2 | UMUF | Y | 0 Y |
| 7N | 11W | 9 | | | | 05/21/2002 | ALLRED | 0 | | | 0 |
| 7N | 11W | 9 | | | | 05/31/2002 | ALLRED | 1 | UU | | 0 |
| 7N | 11W | 9 | | | | 07/06/2002 | ALLRED | 0 | | | 0 |
| 7N | 11W | 9 | | | | 07/09/2002 | ALLRED | 0 | | | 0 |
| 7N | 11W | 9 | | | | 07/19/2002 | ALLRED | 0 | | | 0 |
| 7N | 11W | 9 | | | | 07/24/2002 | ALLRED | 0 | | | 0 |
| 7N | 11W | 9 | | | | 08/13/2002 | ALLRED, BERRY | 1 | UU | | 0 |

NOTE: FOR AN EXPLANATION OF THE DATA COLUMN, USE A "DATABASE REPORT EXPLANATION SHEET" DATED AFTER JANUARY 1, 1994.

SPOTTED OWL FIELD SURVEY, SAWMILL GULCH 1995& 1998,

LANDOWNER **BERRY (Sawmill Gulch)**
 DFG TERRITORY NO. SO 049

THP# **1-01-105 SON**

GENERAL LOCATION Off Hwy. 116, 3 miles west of Duncans Mills and between Sawmill Gulch and Jenner Creek

COUNTY Sonoma Quad Name Duncans Mills 7.5 Min NAD 27 T- 7N R- 11W SECS. 7.8,17

DATE @ START 3/31/95, 4/22/98, 5/18/98, 6/5/98 OBSERVERS Mike Allred

START TIME (2400 clock): _____ END TIME: _____ TOTAL TIME: 10 minutes each date fro each station

WEATHER (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind |
|------------------------------------|---|--|--|---|
| 3/31/995 time: 2330 | Station 31 Sawmill Gulch see map Section 17 | POINT | N?A | NO RESPONSE Overcast & 50 degrees, breezy |
| 4/22/98 time: 1930 | Station 31 Sawmill Gulch see map Section 17 | POINT | N/A | NO RESPONSE Overcast & 55 degrees, calm |
| 5/18/98 time:203 5 | Station 31 Sawmill Gulch see map Section 17 | POINT | N/A | NO RESPONSE Clear and 52 degrees, calm |
| 6/5/98 time:203 | Station 31 Sawmill gulch see map Section 17 | | | NO RESPONSE Overcast & 60 Degrees, calm Unidentified sounds |

Habitat Type Douglas Fir, Redwood, Tanoak, Laurel , Huckleberry, Poison Oak

NORTHERN SPOTTED OWL FIELD SURVEY SAWMILL GL.-MARKHAM'S OVERLOOK 1998-99 CALLS # 1, 2, 3

LANDOWNER **BERRY** THP#1-05-099 SON DFG TERRITORY NO. SO 049 OBSERVERS Mike Allred **This is an attempt to relocate or reconfirm the activity center documented by Woolsey to see if this might be Sawmill Gulch NSO SON0049**

GENERAL LOCATION Station 27 is between Landing #'s 1&2 on Jenner Creek where the incline railroad canyon intersects Jenner Creek

COUNTY Sonoma Quad Name Duncans Mills (1978) 7.5 Min and NAD 27 T- 7N R- 11W SECS. 17

DATE @ START 18 May 1998, 5 June 1998, 19 June 1999 START TIME (2400 clock): 2001, 2100, 2100 END TIME:

TOTAL TIME: Unkn own

WEATHER (circle one): clear cloudy mist/fog light/rain heavy/rain snow WIND (circle one): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-------------------------|--|--|--|--|
| 5/18/98 2001 | Station 27 | POINT | N/A | No Response, 55 degrees, calm, clear |
| 6/5/98 2100 | Station 27 | POINT | N/A | No Response, 54 degrees, cloudy and breezy, Jenner Creek noise |
| 6/19/98 2100 | Station 27 | POINT | N/A | No Response, 55 degrees, calm, over-cast, Jenner Creek noise |

Habitat Type Redwood Mesic Riparian with Douglas Fir and Tanoak, WHR , 4D, 5D

NORTHERN SPOTTED OWL SURVEY SAWMILL GL.- MARKHAM'S OVERLOOK 2000 CALLS 4,5,6

LANDOWNER Berry-Sawmill Gl. THP# 1-01-105 SON & THP #1-08-099 SON DFG TERRITORY NO. NSO SON 0049 CALL # 4
 OBSERVERS Mike Allred

GENERAL LOCATION 3 MILES WEST OF DUNCANS MILLS COUNTY SONOMA Quad Name Duncans Mills (7.5 Min & NAD 27)
 T- 7N R- 11 W SECS. 17

DATE @ START 24 February 2000 START TIME (2400 clock): 1900 END TIME: 2040 TOTAL TIME: 100

HABITAT TYPE: **REDWOOD MESIC WHR 4d & 5d**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze 45-51 degrees F.

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) See owl station map | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES/SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|--|--|
| 1900 | Willig Pond-Station 34 | P | M & F (V) | Great Horned Owl and heard pair for 15 minutes on 12/27/00 (JMB) |
| 1925 | upper 36" culvert-Station 33 | P | (V) | Great Horned Owl & road noise |
| 2000 | West Willig-Station 30 | P | N/A | NO RESPONSE |
| 2015 | Saddle Junction- Station 31 | P | N/A | NO RESPONSE |
| 2030 | Jenner View-Station 32 | P | N/A | NO RESPONSE |

DATE @ START 11 March 2000 CALL # 5 OBSERVERS Mike Allred

START TIME (2400 clock): 1800 END TIME: 1950 TOTAL TIME: 110

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no 47-55 degrees F.

| | | | |
|-------------------------------|---|-----|--|
| Willig Pond- Station 34 | P | N/A | NO RESPONSE Cow Noise |
| upper 36" culvert- Station 33 | P | | NO RESPONSE Cow Noise |
| West Willig- Station 32 | P | | NO RESPONSE |
| Saddle Jct.-Station31 | P | | NO RESPONSE |
| Jenner View- Station 30 | P | | NO RESPONSE Breakers in the Breeze NO RESPONSE Breakers in the Breeze |

DATE @ START 27 May 2000 CALL # 6 OBSERVERS Mike Allred

START TIME (2400 clock): 1930 END TIME: 2115 TOTAL TIME: 105

WEATHER : (bold) **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze Full Moon 50-55 degrees

| | | | | |
|------|-------------------------|---|----------------------------|--|
| 1930 | Willig Pond- Station 34 | P | N/A | NO RESPONSE- Hwy. 116 noise |
| 2000 | 36" culvert- Station 33 | P | Grt. Horned sex unknown | NO RESPONSE-Hwy. 116 noise |
| 2015 | Saddle Jct.-Station 30 | P | N/A | NO NSO RESPONSE |
| 2030 | Jenner View-Station 31 | P | | Toward Jenner but near activity center |
| 2105 | West Willig- Station 32 | P | | NO NSO RESPONSE Deer sighted |

THP # 1-01-10550N

Appendix 4

TO: Sawmill Gulch THP File
FROM: Theodore W. Wooster
SUBJECT: Survey of Plan Area and Adjacent Property on
December 18, 2000 with Jim Berry from 1150 to 1601

Weather: clear sky and calm.

At 1150 took photos 7 and 8 of adjacent meadow area with cattle grazing.

Took photo of Sheephouse Creek just before it goes under Highway 116.

Walked up access road to Sawmill Gulch THP.

Located red tree vole nest in 29 inch DBH Douglas fir next to haul road (Appendix 1).

Noted turkey vulture soaring overhead in middle of plan at 1310.

Located another red tree vole nest near top of ridge in 19 inch DBH Douglas fir; adjacent to grasslands. Tagged tree (Appendix 2).

Located another red tree vole nest in a 71 inch DBH Douglas fir in northeast part of plan.

Tagged tree (Appendix 3).

Scanned the grassy area adjacent to the east side of the plan for raptors, etc. from 1450 to 1531.

Then walked down the eastern access road back to flat on Sawmill Gulch.

Took several samples from the Class II watercourse with a 16 inch diameter dip net.

1st sample - one Pacific giant salamander

2nd sample - one Pacific giant salamander, several Gerris species and back swimmers.

Finished on site observations at 1550.

While driving down Highway 116, I observed a red-tailed hawk at 1601 at mile post 5.42.

It was perched on the top of a telephone pole on the south side of the Highway just east of Laurel Dell Avenue. This location is plus/minus 2 miles east of the THP area (Appendix 3).

NORTHERN SPOTTED OWL SURVEY SAWMILLGL.-MARKHAM'S OVERLOOK 2001 Calls 7,8,9

LANDOWNER **Berry (Sawmill Gulch)** THP 1-01-105 SON & THP#1-05-099 SON DFG TERRITORY NO. NSO SON 0049 (1994)
 CALL # 7 OBSERVERS Mike Allred

GENERAL LOCATION **1 mile north & east of Jenner, next to David Ranch between Jenner & Sheephouse Creek** COUNTY Sonoma
 Quad Name Duncan's Mills (7.5 MINUTE AND NAD 27) T- 7N R- 11W SECS. 17

DATE @ START 6 March 2001 START TIME (2400 clock): 1830 END TIME: 2040 TOTAL TIME: 70

HABITAT TYPE: **REDWOOD MESIC WHR 4d & 5d**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 1830 | Station 34 | P | N/A | NO NSO RESPONSE, FROGS 52 degrees |
| 1913 | Station 33 | P | | NO NSO RESPONSE, FROGS |
| 1935 | Station 30 | P | | NO NSO RESPONSE FROGS & SURF |
| 1951 | Station 30A | P | | NO NSO RESPONSE |
| 2007 | Station 31 | P | | NO NSO RESPONSE SKUNK |
| 2030 | Station 32 | P | | NO NSO RESPONSE SURF 50 degrees |

DATE @ START 10 April 2001 CALL # 8 OBSERVERS Mike Allred

START TIME (2400 clock): 1401 END TIME: 1605 TOTAL TIME: 124

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------|-------------|-----|--------------------------------------|
| 1401 | Station 34 | Station 34 | N/A | NO RESPONSE FROGS |
| 1425 | Station 33 | Station 33 | | NO RESPONSE DEER ON RIDGE 50 degrees |
| 1448 | Station 30 | Station 30 | | NO RESPONSE |
| 1508 | Station 30A | Station 30A | | NO RESPONSE |
| 1525 | Station 31 | Station 31 | | NO RESPONSE |
| 1555 | Station 32 | Station 32 | | NO RESPONSE 45 degrees |

DATE @ START 18 May 2001 CALL # 9 OBSERVERS Mike Allred

START TIME (2400 clock): 2030 END TIME: 2210 TOTAL TIME: 100

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|-------------|-------------|-----|-------------------------------|
| 2030 | Station 34 | Station 34 | N/A | NO RESPONSE FROGS 57 degrees |
| 2054 | Station 33 | Station 33 | | NO RESPONSE ROAD NOISE |
| 2113 | Station 30 | Station 30 | | NO RESPONSE RANCH DOG BARKING |
| 2129 | Station 30A | Station 30A | | NO RESPONSE SURF |
| 2145 | Station 31 | Station 31 | | NO RESPONSE SURF |
| 2200 | Station 32 | Station 32 | | NO RESPONSE 52 degree |

NORTHERN SPOTTED OWL SURVEY SAWMILL GL.-MARKHAM'S OVERLOOK 2002 Calls 10,11,12

LANDOWNER **Berry (Sawmill GL.)** THP# **1-01-105 SON** DFG TERRITORY NO. SO 049 CALL # 10 OBSERVERS Mike Allred

GENERAL LOCATION **1 mile north & east of Jenner, next to David Ranch between Jenner & Sheephouse Creek** COUNTY Sonoma Quad Name Duncan's Mills (7.5 MINUTE AND NAD 27) T- 7N R- 11W SECS. 17

DATE @ START 8 February 2002 START TIME (2400 clock): 1825 END TIME: 2003 TOTAL TIME: 103

HABITAT TYPE: **REDWOOD COAST MESIC WHR 4d & 5d**

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no-

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 1825 | Station 34 | P | N/A | NO NSO RESPONSE, 50 degrees |
| 1943 | Station 33 | P | | NO NSO RESPONSE, |
| 1905 | Station 30 | P | | NO NSO RESPONSE |
| 1920 | Station 30A | P | | NO NSO RESPONSE |
| 1930 | Station 31 | P | | NO NSO RESPONSE |
| 1953 | Station 32 | P | | NO NSO RESPONSE 48 degrees |

DATE @ START 11 March 2002 CALL # 11 OBSERVERS Mike Allred

START TIME (2400 clock): 1846 END TIME: 2026 TOTAL TIME: 100

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------|---|-----|---|
| 1846 | Station 34 | P | N/A | NO NSO RESPONSE noise from Hwy. 116 52 |
| 1904 | Station 33 | P | | degrees |
| 1925 | Station 30 | P | | NO NSO RESPONSE ROAD NOISE |
| 1939 | Station 30A | P | | NO NSO RESPONSE |
| 1955 | Station 31 | P | | NO NSO RESPONSE GREAT HORNED& OCEAN |
| 2016 | Station 32 | P | | NO NSO RESPONSE NO NSO RESPONSE 50 degrees |

DATE @ START 8 May 2001 CALL # 12 OBSERVERS Mike Allred

START TIME (2400 clock): 2017 END TIME: 2204 TOTAL TIME: 107

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|-------------|--|-----|----------------------------|
| 2017 | Station 34 | | N/A | NO NSO RESPONSE 52 degrees |
| 2038 | Station 33 | | | NO NSO RESPONSE |
| 2056 | Station 30 | | | NO NSO RESPONSE |
| 2112 | Station 30A | | | NO NSO RESPONSE |
| 2128 | Station 31 | | | NO NSO RESPONSE |
| 2154 | Station 32 | | | NO NSO RESPONSE 50 degrees |

NORTHERN SPOTTED OWL SURVEY SAWMILL GL.- MARKHAM'S OVERLOOK 2003 CALLS 13,14,15

LANDOWNER **Berry (Sawmill Gulch)** THP# **1-01-105 SON & THP#1-08-099 SON** DFG TERRITORY NO. NSO SON 0049 CALL # 13
 OBSERVERS Mike Allred

GENERAL LOCATION **1 mile north & east of Jenner, next to David Ranch between Jenner & Sheephouse Creek** COUNTY Sonoma
 Quad Name Duncan's Mills (7.5 Min &NAD 27) T- 7N R- 11W SECS. 17

DATE @ START 1 April 2003 START TIME (2400 clock): 1917 END TIME: 2240 TOTAL TIME: 203

HABITAT TYPE: **REDWOOD MESIC WHR 4d & 5d**

WEATHER (BOLD): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|---|
| 2230 | Station 34 | P | N/A | NO NSO RESPONSE, |
| 2011 | Station 33 | P | | NO NSO RESPONSE, Drizzle |
| 1917 | Station 30 | P | | NO NSO RESPONSE |
| 1936 | Station 30A | P | | NO NSO RESPONSE |
| 2057 | Station 31 | P | | NO NSO RESPONSE 40 degrees |
| 1917 | Station 32 | P | | NO NSO RESPONSE 42 degrees |

DATE @ START 19 May 2003 CALL # 14 OBSERVERS Mike Allred

START TIME (2400 clock): 2034 END TIME: 2219 TOTAL TIME: 105

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------|---|-----|---------------------------------|
| 2209 | Station 34 | P | N/A | NO NSO RESPONSE 56 degrees |
| 2125 | Station 33 | P | | NO NSO RESPONSE bull bellowinng |
| 2109 | Station 30 | P | | NO NSO RESPONSE barking |
| 2056 | Station 30A | P | | NO NSO RESPONSE |
| 2150 | Station 31 | P | | NO NSO RESPONSE |
| 2034 | Station 32 | P | | NO NSO RESPONSE 50 degrees |

DATE @ START 13 June 2003 CALL # 15 OBSERVERS Mike Allred

START TIME (2400 clock): 2019 END TIME: 2156 TOTAL TIME: 97

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|-------------|---|-----|----------------------------|
| 2019 | Station 34 | P | N/A | NO NSO RESPONSE 54 degrees |
| 2046 | Station 33 | P | | NO NSO RESPONSE Full Moon |
| 2115 | Station 30 | P | | NO NSO RESPONSE |
| 2131 | Station 30A | P | | NO NSO RESPONSE |
| | Station 31 | P | | NO NSO RESPONSE |
| 2100 | Station 32 | P | | NO NSO RESPONSE 50 degrees |

NORTHERN SPOTTED OWL SURVEY MARKHAM'S OVERLOOK 2004 CALLS 16,17,18

LANDOWNER Berry (Sawmill Gulch) THP# 1-05-099 SON DFG TERRITORY NO. SON 0049 CALL # 16 OBSERVERS Mike Allred

GENERAL LOCATION 1 mile north & east of Jenner, next to David Ranch between Jenner & Sheephouse Creek COUNTY Sonoma
 Quad Name Duncan's Mills (7.5 Min & NAD 27) T- 7N R- 11W SECS. 17

DATE @ START 24 April 2004 START TIME (2400 clock): 1925 END TIME: 2158 TOTAL TIME: 153

HABITAT TYPE: **REDWOOD MESIC WHR 4d & 5d**

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no **52-58 degrees F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 1925 | Station 34 | P | N/A | NO NSO RESPONSE, Hwy. 116 |
| 2038 | Station 33 | P | | 52 degrees F |
| 2055 | Station 32 | P | | NO NSO RESPONSE, |
| 2112 | Station 30 | P | | NO NSO RESPONSE |
| 2132 | Station 30A | P | | NO NSO RESPONSE Hawk sound |
| 2148 | Station 31 | P | | NO NSO RESPONSE Road noise NO NSO RESPONSE Ocean 58 degrees F. |

DATE @ START 1 July 2004 CALL # 17 OBSERVERS Mike Allred

START TIME (2400 clock): 2002 END TIME: 2132 TOTAL TIME: 90

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------|-------------|-----|--------------------------------------|
| 2002 | Station 34 | Station 34 | N/A | NO NSO RESPONSE 62 degrees full moon |
| 2024 | Station 33 | Station 33 | | |
| 2042 | Station 31 | Station 30 | | NO NSO RESPONSE bull bellowing |
| 2100 | Station 32 | Station 30A | | NO NSO RESPONSE barking |
| 2115 | Station 30 | Station 31 | | NO NSO RESPONSE |
| 2132 | Station 30A | Station 32 | | NO NSO RESPONSE 50 degrees |

DATE @ START 4 AUGUST 2004 CALL # 18 OBSERVERS Mike Allred

START TIME (2400 clock): 2042 END TIME: 2250 TOTAL TIME: 128

WEATHER (bold): clear **cloudy mist/fog** light/rain heavy/rain snow WIND (bold): calm breeze

| | | | |
|------|-------------|-----|--------------------------------------|
| 2042 | Station 34 | N/A | NO NSO RESPONSE 62 degrees stars out |
| 2104 | Station 33 | | NO NSO RESPONSE |
| 2140 | Station 32 | | NO NSO RESPONSE |
| 2204 | Station 30 | | NO NSO RESPONSE |
| 2220 | Station 30A | | NO NSO RESPONSE |
| 2240 | Station 31 | | NO NSO RESPONSE 55 degrees |

NORTHERN SPOTTED OWL SURVEY MARKHAM'S OVERLOOK 2005 Calls 19,20,21

LANDOWNER **Berry (Sawmill Gulch)** THP# **1-05-099 SON** DFG TERRITORY NO. **NSO SON 0049 (inactive since 1998)** CALL # **19**
 OBSERVERS **Mike Allred**

GENERAL LOCATION **1 mile north & east of Jenner, next to David Ranch between Jenner & Sheephouse Creek** COUNTY **Sonoma**
 Quad Name **Duncan's Mills** (7.5 Min & **NAD 27**) T- **7N** R- **11W** SECS. **17 (projected)**

DATE @ START **10 April 2005** START TIME (2400 clock): **2149** END TIME: **2344** TOTAL TIME: **115**

HABITAT TYPE: **REDWOOD MESIC WHR 4d & 5d** (also DF, TO, LO, CL, Mad, huckleberry, willow, 200+ plant sp..)

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no **46-56 degrees F**

| TIME clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|---|---|
| 2149 | Station 34 | P | N/A | NO NSO RESPONSE, 56 degrees F |
| 2219 | Station 33 | P | | NO NSO RESPONSE, frogs, saw skunk |
| 2237 | Station 32 | P | | NO NSO RESPONSE |
| 2254 | Station 30 | P | | NO NSO RESPONSE |
| 2309 | Station 30A | P | | NO NSO RESPONSE |
| 2334 | Station 31 | P | | NO NSO RESPONSE 46 degrees F. |

DATE @ START **10 May 2005** CALL # **20** OBSERVERS **Mike Allred**

START TIME (2400 clock): **2216** END TIME: **0025** TOTAL TIME: **129**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-------------|---|-----|--|
| 2216 | Station 34 | P | N/A | NO NSO RESPONSE 52 degrees heard frogs |
| 2240 | Station 33 | | | NO NSO RESPONSE saw deer |
| 2310 | Station 31 | | | NO NSO RESPONSE |
| 2330 | Station 32 | | | NO NSO RESPONSE |
| 2352 | Station 30 | | | NO NSO RESPONSE cattle and ocean noise |
| 0015 | Station 30A | | | NO NSO RESPONSE 50 degrees dogs and road noise |

DATE @ START **25 May 2005** CALL # **21** OBSERVERS **Mike Allred**

START TIME (2400 clock): **2220** END TIME: **0000** TOTAL TIME: **100**

WEATHER (bold): clear **cloudy** **mist/fog** light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|-------------|--|-----|------------------------------|
| 2220 | Station 34 | | N/A | NO NSO RESPONSE 51 degrees F |
| 2240 | Station 33 | | | NO NSO RESPONSE saw skunk |
| 2310 | Station 32 | | | NO NSO RESPONSE moon |
| 2335 | Station 30 | | | NO NSO RESPONSE |
| 2350 | Station 30A | | | NO NSO RESPONSE cattle noise |
| 2240 | Station 31 | | | NO NSO RESPONSE 55 degrees |

Date: September 18, 2005
Reference: THP #1-05-099 SON
Markham's Overlook THP

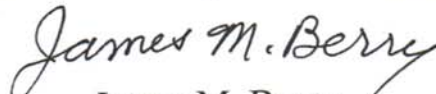
Ken Hoffman
U.S. Fish & Wildlife
1655 Heindon Rd.
Arcata, CA 95521

Dear Mr. Hoffman:

We would like to request technical assistance for determination of NSO Take / No-Take for the above THP for the year 2005. The audible range for Markham's Overlook matches that of THP #1-01-105 SON. Twenty-one completed call dates by Mike Allred for Markham's Overlook are as follows: 5/18/98, 6/5/98, 6/19/98, 2/24/00, 3/11/00, 5/27/00, 3/4/01, 4/10/01, 5/18/01, 2/8/01, 3/11/02, 5/18/02, 4/1/03, 5/19/03, 6/13/03, 4/24/04, 7/1/04, 8/4/04, 4/10/05, 5/10/05, 5/25/05. The completed logs and NSO map coverage are enclosed. None of the 21 calls had a response from Northern Spotted Owls. There were no new NSO responses for 2005. Also enclosed are habitat maps and NSO data base response from California Dept. of Forestry and Fire Protection. Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Normal protocol also includes a TAC letter to the Resource Manager for CDF in Region 1.

Phone calls may be directed to (707) 632-5280.

In search of the Northern Spotted Owl each year since 1989,


James M. Berry

NORTHERN SPOTTED OWL SURVEY MARKHAM'S OVERLOOK 2006 Calls 22,23,24

LANDOWNER Berry (Sawmill Gulch) THP# 1-05-099 SON DFG TERRITORY NO. SO 049 (inactive since 1998) CALL # 22
 OBSERVERS Mike Allred

GENERAL LOCATION 1 mile north & east of Jenner, next to David Ranch between Jenner & Sheephouse Creek COUNTY Sonoma
 Quad Name Duncan's Mills (7.5 Min & NAD 27) T- 7N R- 11W SECS. 17 (projected)

DATE @ START 8 February 2006 START TIME (2400 clock): 1921 END TIME: 2051 TOTAL TIME: 90

HABITAT TYPE: **REDWOOD MESIC WHR 4d & 5d** (also DF, TO, LO, CL, Mad, huckleberry, willow, 200 plant sp.)

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm **breeze** no **50-62 degrees F**

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|---------------|---|--|--|---|
| 2400 clock | | | | |
| 1921 | Station 31 | P | N/A | NO NSO RESPONSE, 56 degrees F <u>moon</u> |
| 1937 | Station 30A | P | | NO NSO RESPONSE, Ocean 56 degrees F |
| 1951 | Station 30 | P | V (BARN OWL) | NO NSO RESPONSE Barn owl 62 degrees F |
| 2007 | Station 32 | P | V | NO NSO RESPONSE Barn owl 60- degrees F |
| 2028 | Station 33 | P | | NO NSO RESPONSE Frogs 53 degrees F |
| 2041 | Station 34 | P | | NO NSO RESPONSE Frogs 50 degrees F |

DATE @ START 10 April 2006 CALL # 23 OBSERVERS Mike Allred

START TIME (2400 clock): 2011 END TIME: 2155 TOTAL TIME: 104

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|-------------|-------|---|---|
| 2011 | Station 34 | Point | | NO NSO RESPONSE, 58 degrees F <u>moon</u> |
| 2033 | Station 33 | | | NO NSO RESPONSE, Stars out |
| 2054 | Station 32 | | V | NO NSO RESPONSE Screech owl |
| 2107 | Station 30 | | V | NO NSO RESPONSE Sawwhet oql |
| 2125 | Station 30A | | V | NO NSO RESPONSE Sawwhet owl |
| 2145 | Station 31 | | | NO NSO RESPONSE 45 degrees F |

DATE @ START 16 May 2006 CALL # 24 OBSERVERS Mike Allred

START TIME (2400 clock): 2011 END TIME: 2134 TOTAL TIME: 85

WEATHER (bold): **clear & cloudy** mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|-------------|-------------|-------|-----|---------------------------------------|
| <u>2011</u> | Station 34 | Point | | NO NSO RESPONSE 55 degrees F overcast |
| <u>2030</u> | Station 33 | | | NO NSO RESPONSE Pacific ocean |
| <u>2045</u> | Station 32 | | (V) | NO NSO RESPONSE Barn owl overcast |
| <u>2058</u> | Station 30 | | | NO NSO RESPONSE Moon out |
| <u>2111</u> | Station 30A | | | NO NSO RESPONSE frogs |
| <u>2124</u> | Station 31 | | | NO NSO RESPONSE 50 degrees F |

NORTHERN SPOTTED OWL SURVEY MARKHAM'S OVERLOOK 2007 Calls 25,26.27

LANDOWNER **Berry (Sawmill Gulch)** THP# **1-05-099 SON** DFG TERRITORY NO. SO 049 (inactive since 1998) CALL # **25**

OBSERVERS Mike Allred GENERAL LOCATION **1 mile north & east of Jenner, next to David Ranch between Jenner & Sheephouse Creek**
 COUNTY Sonoma Quad Name Duncan's Mills (7.5 Min & NAD 27) T- 7N R- 11W SECS. 17 (projected)

DATE @ START 4 March 2007 START TIME (2400 clock): 1930 END TIME: 2215 TOTAL TIME: 105

HABITAT TYPE: **REDWOOD MESIC WHR 4d & 5d** (also DF, TO, LO, CL, Mad, huckleberry, willow, 200 plant sp.,)

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm **breeze** no **48-50 degrees F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--|---|--|--|--|
| 1930 2010 2030 2058 2055 2140 | Station 34 Station 33 Station 32 Station 30 Station 30A Station 31 | <u>Point</u> | | NO NSO RESPONSE Frogs croaking 48 degrees F NO NSO RESPONSE cattle n oise NO NSO RESPONSE NO NSO RESPONSE Ocean Noise NO NSO RESPONSE NO NSO RESPONSE 50 degrees F |

DATE @ START 11 March 2007 CALL # 26 OBSERVERS Mike Allred

START TIME (2400 clock): 2011 END TIME: 2215 TOTAL TIME: 124

WEATHER (BOLD): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (BOLD): **calm** breeze no **42-52 degrees F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--|--|--|--|--|
| 2011 2035 2055 2115 2135 2205 | Station 31 Station 30A Station 30 Station 32 Station 33 Station 34 | P P P P P P | N/A | NO NSO RESPONSE 52 degrees F ocean sound NO NSO RESPONSE, Stars out NO NSO RESPONSE, cattle lowing NO NSO RESPONSE Moon NO NSO RESPONSE Frogs croaking NO NSO RESPONSE 42 degrees F |

DATE @ START 18 March 2007 CALL # 27 OBSERVERS Mike Allred

START TIME (2400 clock): 2020 END TIME: 2215 TOTAL TIME: 115

WEATHER (BOLD): clear & **cloudy** mist/fog light/rain heavy/rain snow WIND (BOLD): **calm** breeze **43-50 degrees F**

| TIME 2400 clock | LOCATIO (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|--|--|--|--|---|
| <u>2020</u> <u>2040</u> <u>2105</u> <u>2120</u> <u>2145</u> <u>2205</u> | Station 34 Station 33 Station 32 Station 30 Station 30A Station 31 | <u>Point</u> | N/A | NO NSO RESPONSE 43 degrees Frogs at pond NO NSO RESPONSE Overcast NO NSO RESPONSE Dog barking NO NSO RESPONSE Cow balling NO NSO RESPONSE Ocean noise NO NSO RESPONSE 50 degrees F |

Date: March 22, 2007
Reference: THP #1-05-099 SON
Markham's Overlook THP

Ken Hoffman
U.S. Fish & Wildlife
1655 Heindon Rd.
Arcata, CA 95521

Dear Mr. Hoffman:

We would like to request technical assistance for determination of NSO Take / No-Take for the above THP for the year 2007. The audible range for Markham's Overlook matches that of THP #1-01-105 SON. Twenty-seven completed call dates by Mike Allred for Markham's Overlook are as follows: (1)-5/18/98, (2)-6/5/98, (3)-6/19/98, (4)-2/24/00, (5)-3/11/00, (6)-5/27/00, (7)-3/4/01, (8)-4/10/01, (9)-5/18/01, (10)-2/8/01, (11)-3/11/02, (12)-5/18/02, (13)-4/1/03, (14)-5/19/03, (15)-6/13/03, (16)-4/24/04, (17)-7/1/04, (18)-8/4/04, (19)-4/10/05, (20)-5/10/05, (21)-5/25/05, (22)-2/8/06, (23)-4/10/06, (24)-5/16/06, 3/4/07 (25), 3/11/07 (26), 3/18/07 (27). The completed logs, NSO map coverage and habitat tables are part of your files. None of the 27 calls had a response from Northern Spotted Owls. There were no new NSO responses for 2007. Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Normal protocol also includes a TAC letter to the Resource Manager for CDF in Region 1.

Phone calls may be directed to (707) 632-5280.

In search of the Northern Spotted Owl each year since 1989,

James M. Berry

End of Sawmill Gulch THP#1-01-105 SON and Markham's Overlook THP#1-05-099 SON and Beginning of Willig Gulch THP#1-08-025 SON & Zigadene THP#1-12-040 SON. Each THP pair has the same audible amphitheatre for NSO monitoring.



"Prairie"

No NSD
Habitat
(168)

Zigadene THP Natural Diversity Data Base

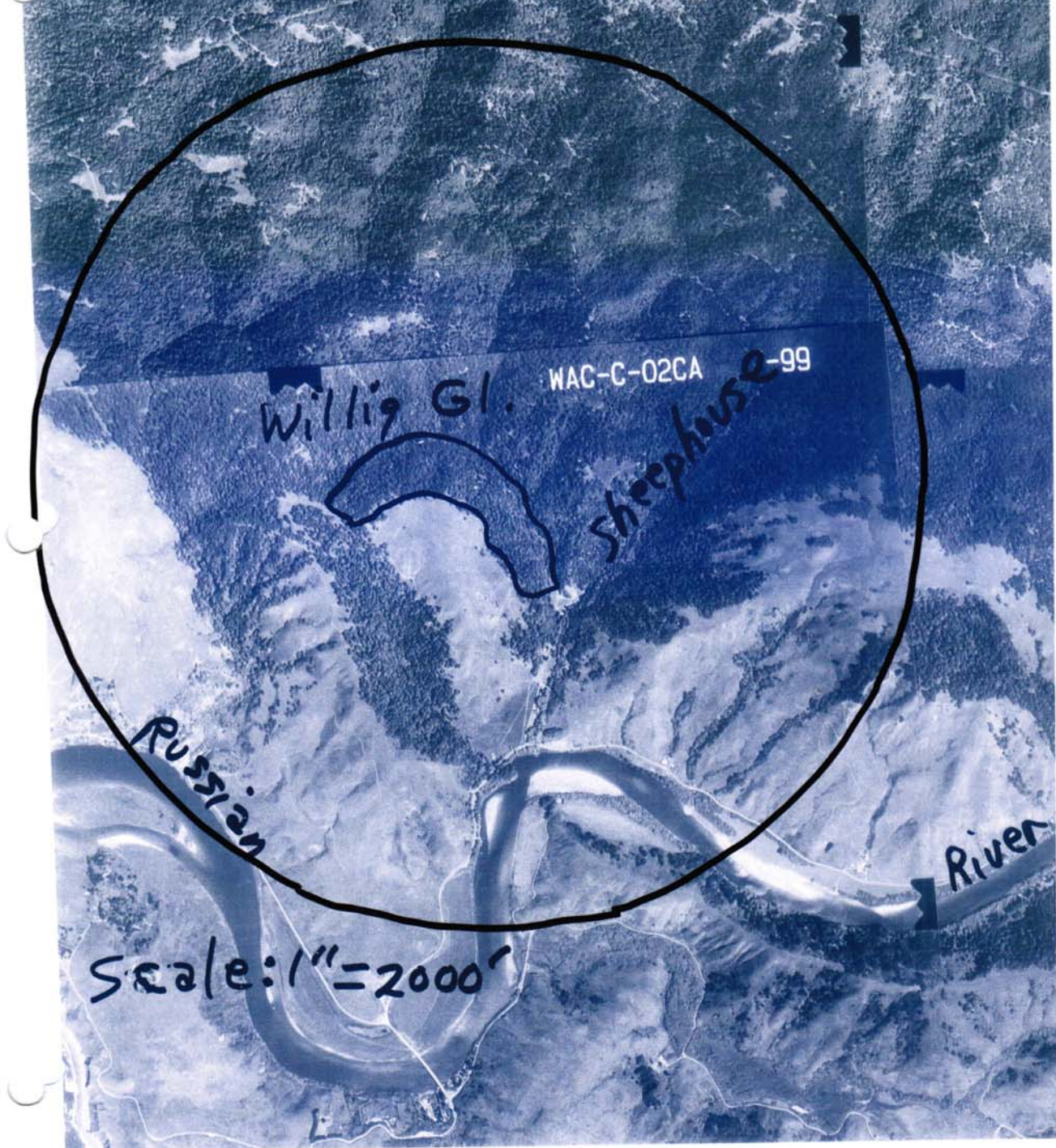
5 mile Radius for Plants and Animals

See Table





Biological Assessment Area Aerial
1999



Willig Gl. WAC-C-02CA -99
Sheephouse

Russian

River

Scale: 1" = 2000'

Biological Assessment Area

1.3 mile radius - T#P#1-08-025
50N

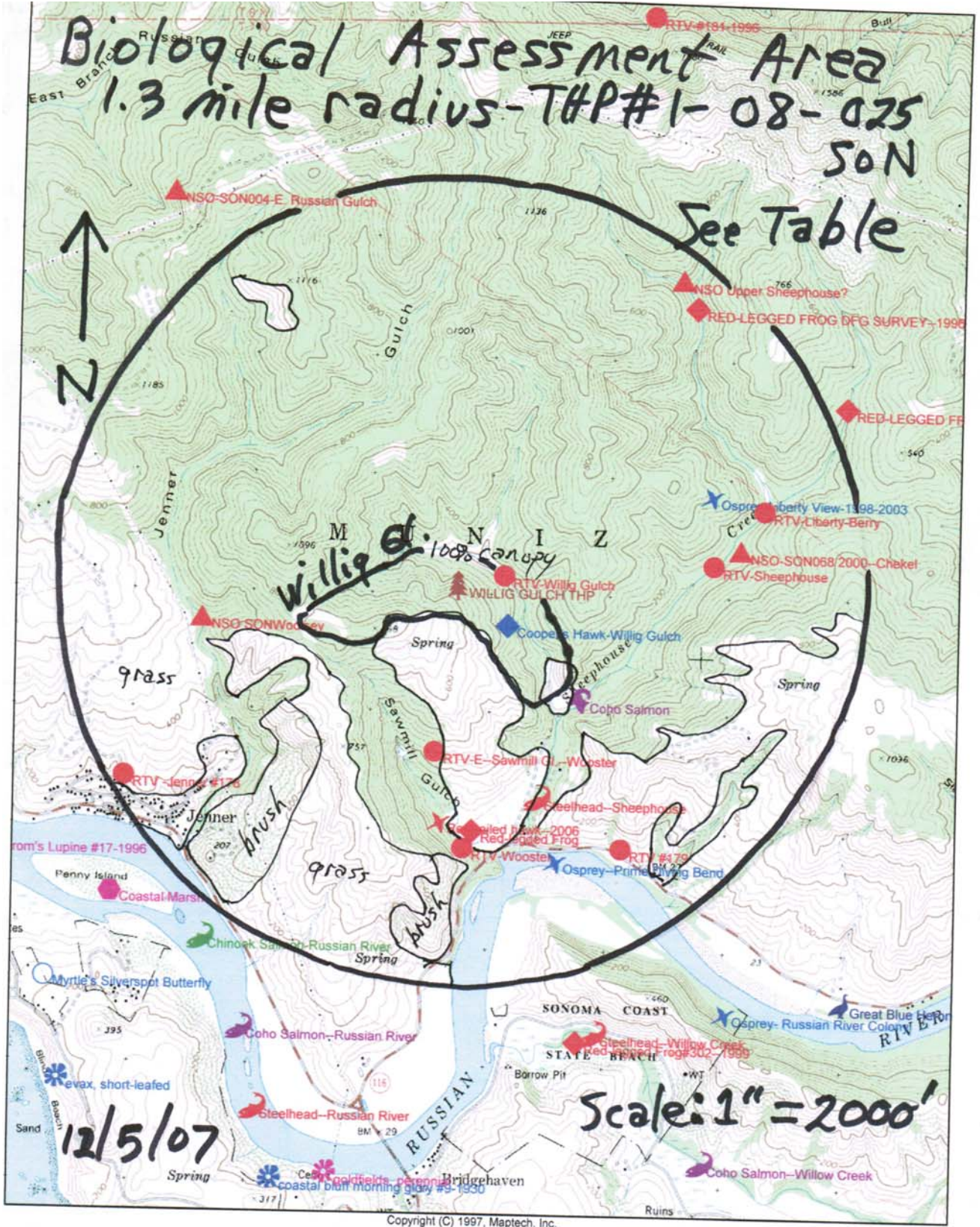
See Table



Willie d. 100% canopy

Scale: 1" = 2000'

12/5/07

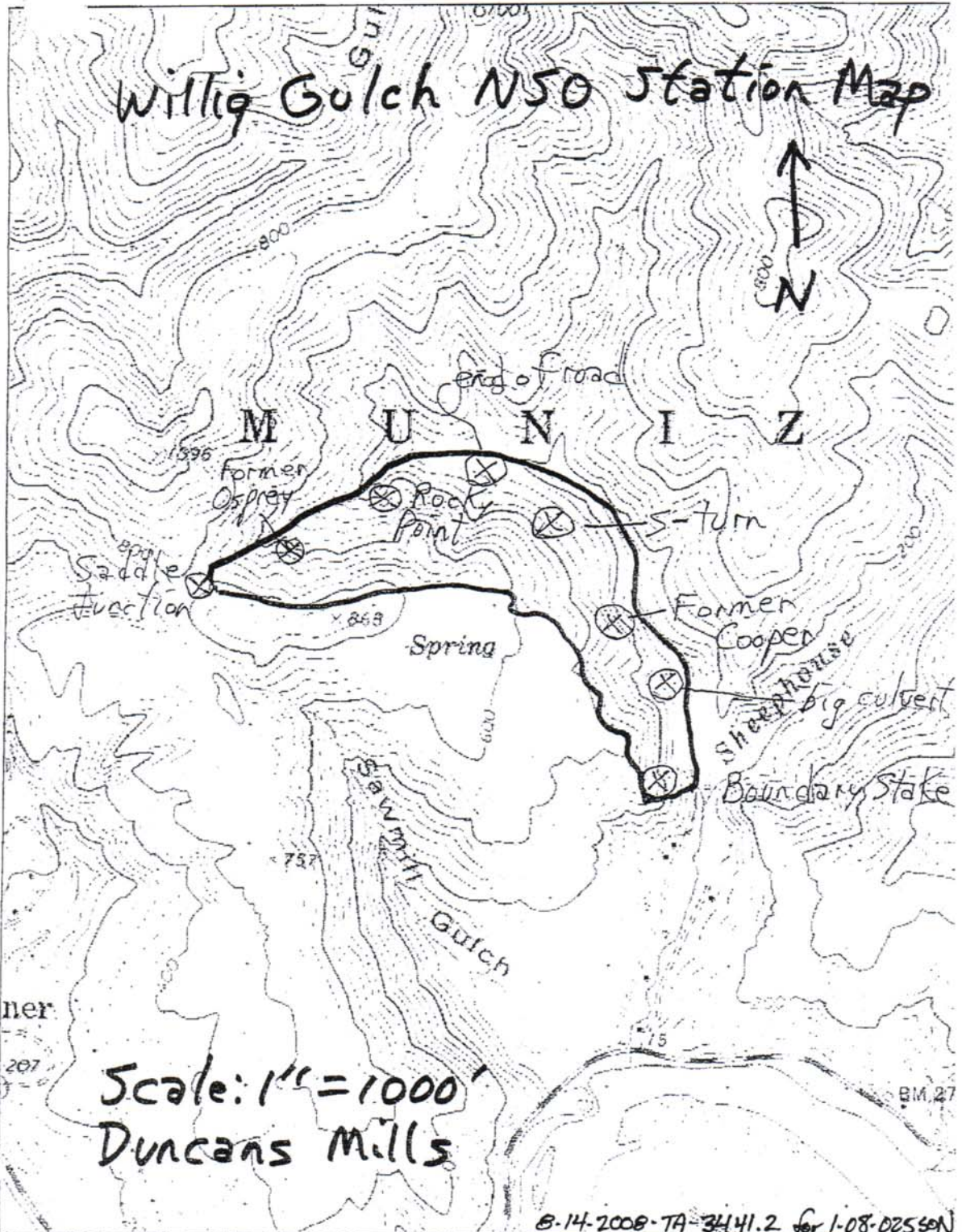


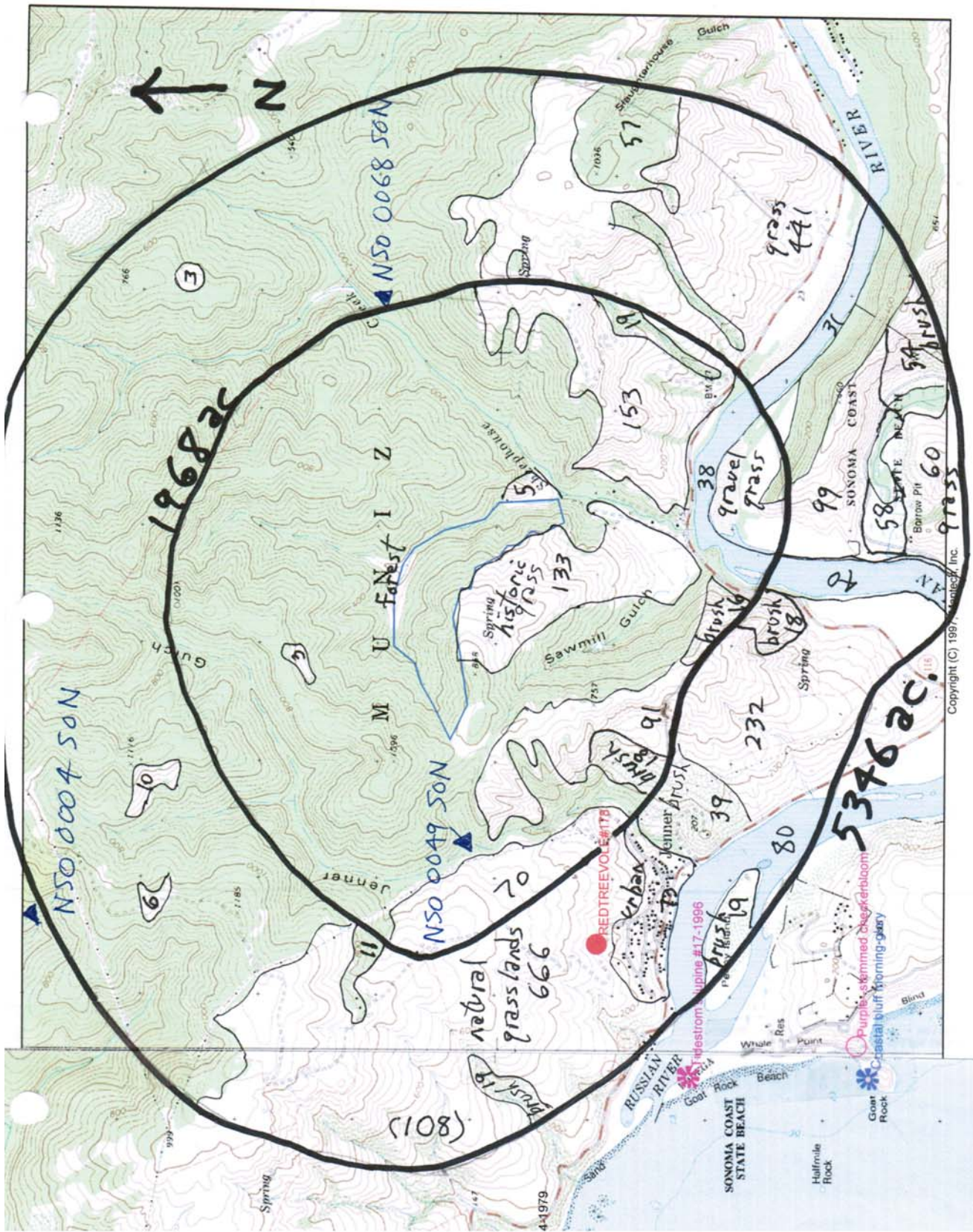
BIOLOGICAL ASSESSMENT AREA TABLE-- WILLIG GULCH THP#1-08-025 SON

Northern Spotted Owl Vegetative Habitat Acreage from Map

| AREA | 0.7 mile radius-1968 acres | 1.3 mile-9440 acres |
|---|----------------------------|---------------------------|
| NON-HABITAT | | |
| GRASS | 493 (25.1%) | 962 (28.3%) |
| RIVER | 38 (1.9%) | 189 ac.(3.5%) |
| BRUSH | 34 (1.7%) | 129 (2.4%) |
| URBAN | None | 73 (1.4%) |
| MARSH | None | 58 (1.0) |
| TOTAL NON-Hab. | 565 ac. (28.7%) | 1411 ac. (26.4%) |
| NESTING-ROOSTING-FORAGING ---BEFORE AND AFTER HARVEST | | |
| FOREST | 1403ac.(500 ac. minimum) | 3935ac.(1336 ac. minimum) |

The Biological Assessment Areas are a 0.7 mile and 1.3 mile distance from the THP boundary and is 71.3% forest, 28.7% grassland, 1.7% brush, 1.9% Russian River. The 1.3 mile Biological Assessment Area from the THP boundary is 73.6% forest, 28.3% grassland, 2.4% brush, 3.5% Russian River and marsh (1.0%)the BAA or THP. The Russian River estuary (with its fresh and saltwater) and associated wetlands, grasslands, brush fields and 3 creek tributaries represent some of the best wildlife habitat in Sonoma County.





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NSO 0004 SON

1968 ac

NSO 0068 SON

NSO 0049 SON

5346 ac

natural grasslands 666

(801)

M U Forest

Historic 133

REDTREEVOLUME#178

Pestrom lupine #17-1996

Purple-skinned Chekerbloom

Coastal bluff Morning-glory



SONOMA COAST STATE BEACH

RUSSIAN RIVER

Hall's Rock

Whale Res Beach

Goat Rock Beach

Blind Point

Goat Rock

Whale Res Point

Goat Rock

Whale Res Beach

Goat Rock Beach

Blind Point

Goat Rock

Whale Res Point

Goat Rock

Whale Res Beach

Goat Rock Beach

Blind Point

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Whale Res Point

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Whale Res Beach

Goat Rock Beach

Blind Point

Goat Rock

Whale Res Point

Goat Rock

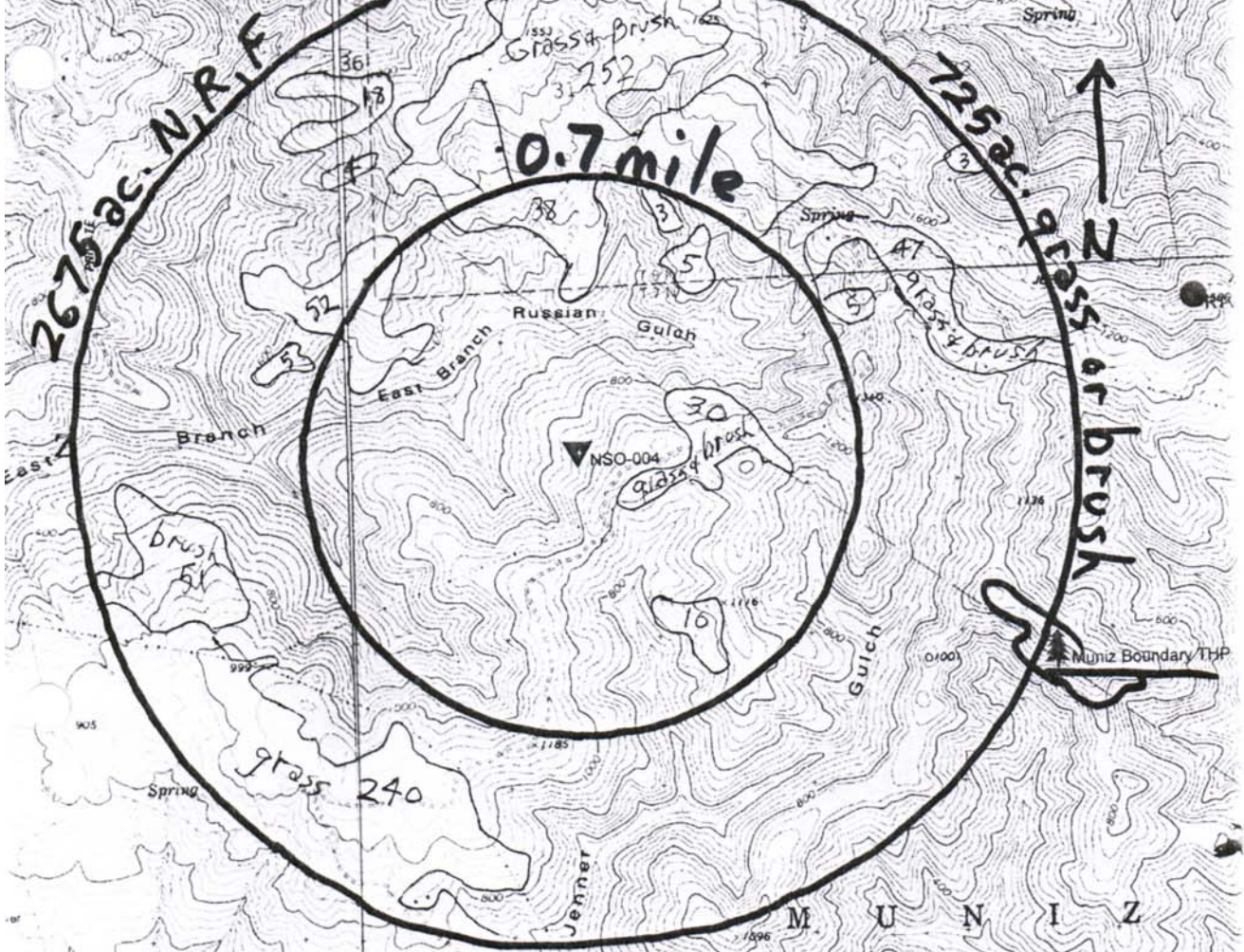
Whale Res Beach

Goat Rock Beach

Blind Point

Goat Rock

1.3 mile Veg. Habitat for NSO 004



Vegetative Habitat - NSO 004

Arched Rock - Duncan's Mills Quads

Sonoma Co. - MDB & M T7N, R11W

Scale: 1" = 2000' 30 ac. Muniz THP = N, R, F

after harvest = 60% canopy

(173)

N = Nesting R = Roosting F = Forage

SONOMA COAST STATE BEACH

Westrom's Lupine #17-1996

Penny Coastal Marsh

Copyright (C) 1997, Maptech, Inc.

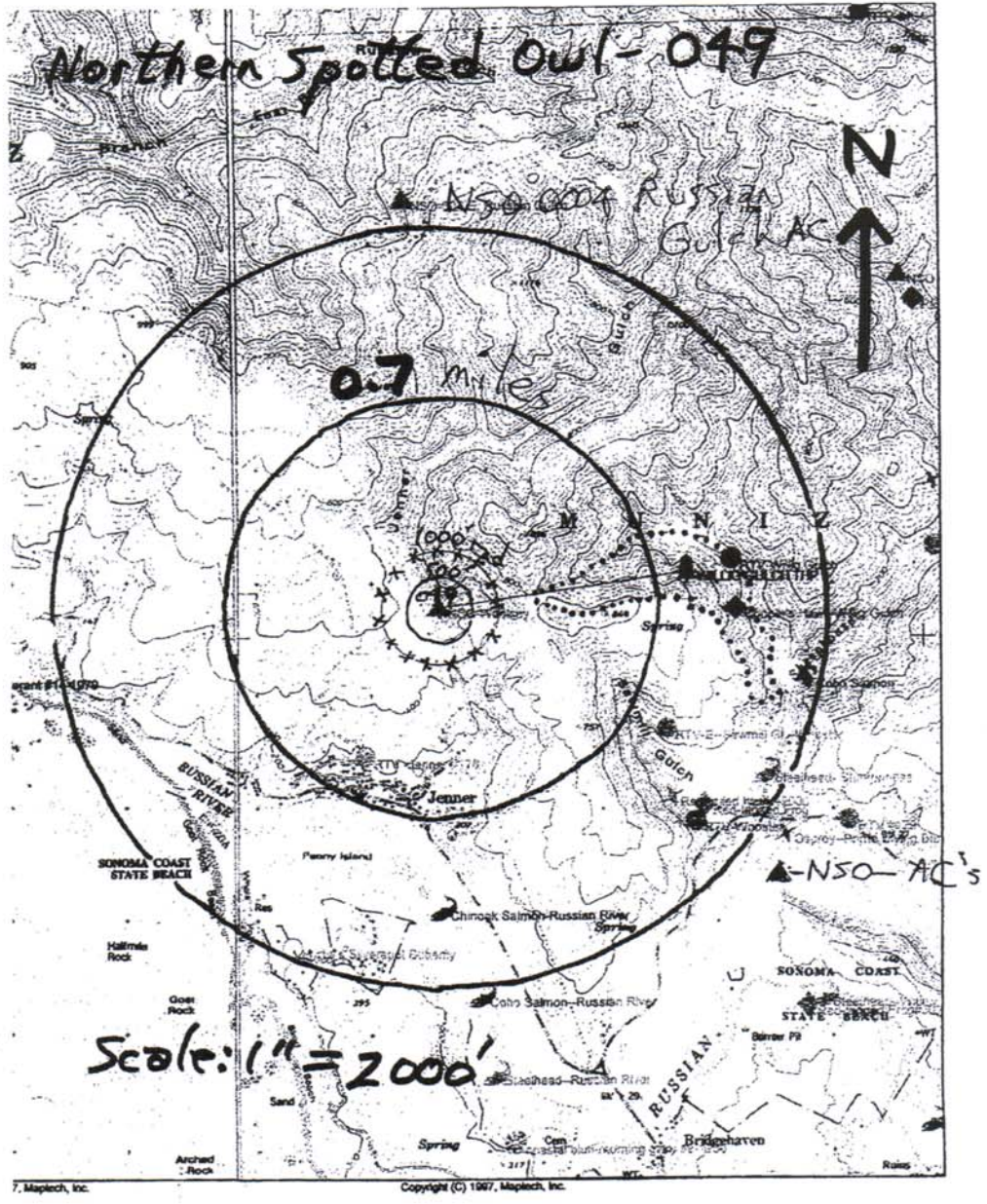
BIOLOGICAL ASSESSMENT AREA TABLE FOR NSO SON 0004

Northern Spotted Owl-Wildlife Vegetative Habitat Acreage from Map

| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
|---|---------------------------|----------------------------|
| NON-HABITAT | | |
| GRASS | 69 (7.7%) | 743 (21.9 %) |
| RIVER | None | None |
| BRUSH | Not Significant | Not Significant |
| URBAN | None | None |
| MARSH | Not Significant | Not Significant |
| TOTAL NON-Hab. | 69 (7.7%) | 743 (21.9%) |
| NESTING-ROOSTING-FORAGING ---BEFORE AND AFTER HARVEST | | |
| FOREST | 826ac.(500 ac. minimum) | 2655 ac.(1336 ac. minimum) |

The Biological Assessment Area is a 1.3 mile diameter circle and is 78.1% forest and 21.9 % grassland. The 0.7 mile radius is 92.3% forest and 7.7% grass land. There are no ponds in the BAA or THP. There is no significant brush, urban areas, marsh or cliffs. The southwest quadrant grass lands are mostly coastal headlands with heavy wind and salt influence.

In A Guide to Wildlife Habitats of California see "Available Habitat Stages for Tree Dominated Habitats" on page 16. The redwood Wildlife Habitats Relationship stage (this THP) is 5 dense or 6 dense. Dense means 60-100% canopy and 5 or 6 means dominant trees averaging greater than 24" DBH. This THP has three vegetative layers-dominant tree, hardwood, ground plants. Average hardwood height is greater than 45 feet. There are some forest areas within the BAA with redwood WHR of .4 with 12-24" trees and 30-45 foot tall hardwoods. Most of the forest type in the BAA has multiple layers.



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THP#1-08-02550N/THP1-12-04050N

BIOLOGICAL ASSESSMENT AREA TABLE FOR NSO SON 0049

Northern Spotted Owl-Wildlife Vegetative Habitat Acreage from Map

| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
|---|---------------------------|----------------------------|
| NON-HABITAT ACREAGE | | |
| GRASS | 411 | 1044 |
| RIVER | None | 138 |
| BRUSH | 31 | 226 |
| URBAN | 71 | 106 |
| MARSH | Not Significant | 17 |
| OCEAN | None | 93 |
| SAND | None | 57 |
| TOTAL NON-Hab. | 513 | 1681 |
| NESTING-ROOSTING-FORAGING ---BEFORE AND AFTER HARVEST | | |
| FOREST | 382 (500 ac. minimum) | 1717 ac.(1336 ac. minimum) |

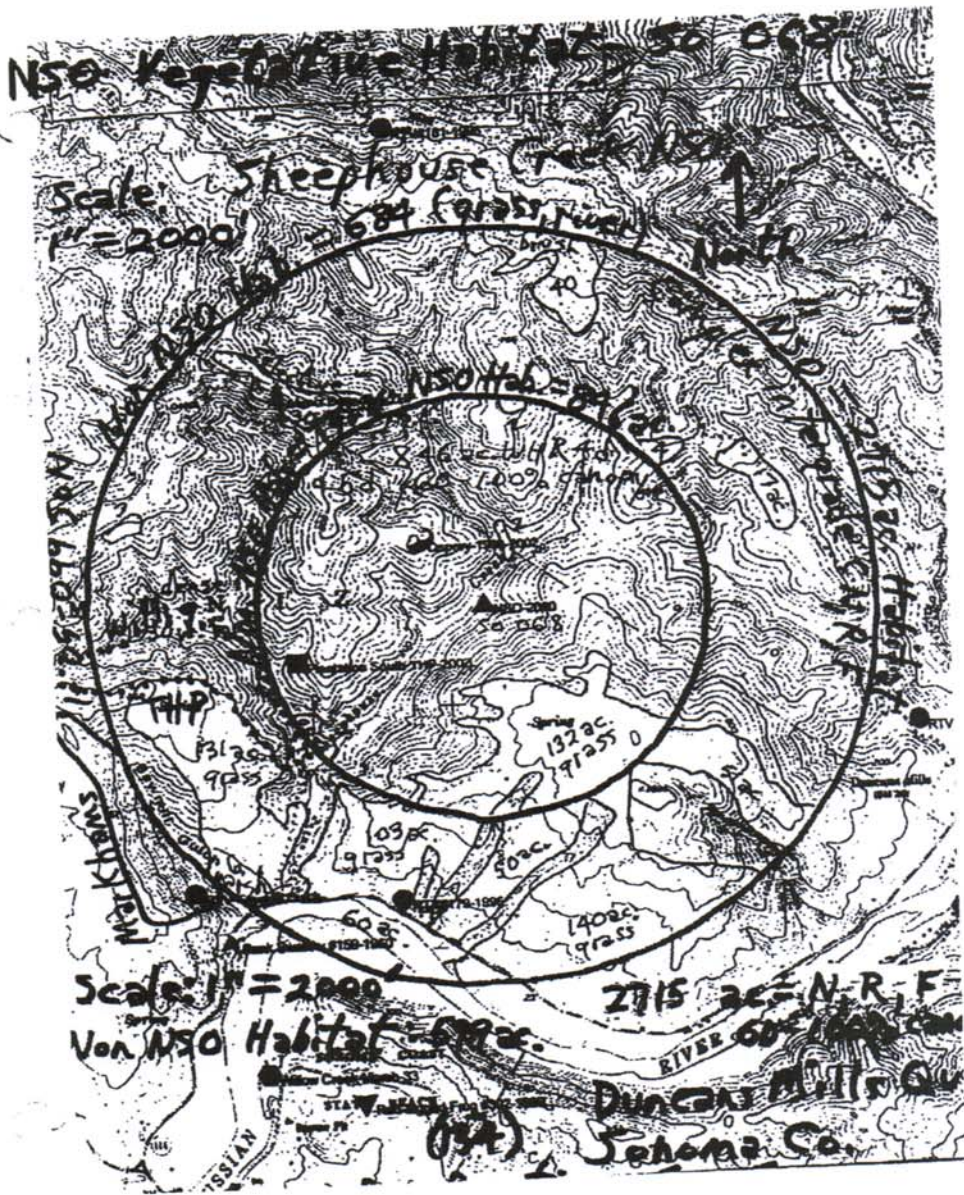
The Biological Assessment Area 0.7 mile diameter circle is 45.9% grassland, no river, 3.5% brush, 7.9% urban, no marsh, no ocean, no sand and 42.7% forest. The non-NSO habitat within 1.3 mile radius is 30.7% grass, 4.1% river, 6.6% brush, 3.1% urban, 0.5% marsh, 2.7% ocean, 1.6% sand and 50.5% mixed coniferous forest. There are no ponds in the BAA or THP. The southwest 1/2 circle grass lands are mostly historic coastal headlands with heavy wind and salt influence. This appears to be poor habitat toward the southwest but good toward the northeast.

In A Guide to Wildlife Habitats of California see "Available Habitat Stages for Tree Dominated Habitats" on page 16. The redwood Wildlife Habitats Relationship stage (this THP) is 5 dense or 6 dense. Dense means 60-100% canopy and 5 or 6 means dominant trees averaging greater than 24" DBH. This THP has three vegetative layers-dominant tree, hardwood, ground plants. Average hardwood height is greater than 45 feet. There are some forest areas within the BAA with redwood WHR of .4 with 12-24" trees and 30-45 foot tall hardwoods. Most of the forest type in the BAA has multiple layers.

(182)

THP1-08-025SON

THP#1-12-040SON.



THP# 1-08-02550N (183) THP# 1-12-04050N

BIOLOGICAL ASSESSMENT AREA TABLE FOR NSO SON 0068

Northern Spotted Owl-Wildlife Vegetative Habitat Acreage from Map

| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
|---|----------------------------|-----------------------------|
| NON-HABITAT ACREAGE | | |
| GRASS | 132 (14.7%) | 577 (17.0%) |
| RIVER | None | 60 (1.8%) |
| BRUSH | 31 (3.0%) | 40 (1.2%) |
| URBAN | None | None |
| MARSH | Not Significant | 6 (0.2%) |
| OCEAN | None | None |
| TOTAL NON-Hab. | 163 (18.2%) | 683 (20.1%) |
| NESTING-ROOSTING-FORAGING RWD. WHR 4 or 5 DENSE--BEFORE AND AFTER HARVEST | | |
| FOREST | 732 (81.8%) (500 ac. min.) | 2715 (79.9%)(1336 ac. min.) |

The Biological Assessment Area (BAA) for non-habitat is 0.7 mile diameter circle is 14.7 % grassland, no river, 3.5% brush, no urban, no marsh, no ocean, no sand. The 0.7 mile NSO habitat is 81.8% forest. The non-NSO habitat within 1.3 mile radius is: 17.0 % grass, 1.8% river, 1.2% brush, no urban, 0.2% marsh, no ocean.. The NSO habitat is 79.9% mixed coniferous forest. There are no ponds in the BAA or THP.

In A Guide to Wildlife Habitats of California see "Available Habitat Stages for Tree Dominated Habitats" on page 16. The redwood Wildlife Habitats Relationship stage (this THP) is 5 dense or 6 dense. Dense means 60-100% canopy and 5 or 6 means dominant trees averaging greater than 24" DBH. This THP has three vegetative layers-dominant tree, hardwood, ground plants. Average hardwood height is greater than 45 feet. There are some forest areas within the BAA with redwood WHR of .4 with 12-24" trees and 30-45 foot tall hardwoods. Most of the forest type in the BAA has multiple layers.

(184)

THP# 1-08-025 SON THP# 1-12-040 SON

SPOTTED OWL FIELD SURVEY Willig Gulch-Zigadene THP's- Calls 1,2,3-2001

LANDOWNER Berry (WEST WILLIG) THP# 1-08-025 SON & THP#1-12-040 SON (ZIGADENE THP) DFG TERRITORY NO. NSO SON0004 or NSO SON0068 or NSO SON 0049 Call #1 OBSERVERS Mike Allred

GENERAL LOCATION ½ mile to 2 ½ miles north and east of Jenner COUNTY Sonoma Quad Name Duncan's Mills (7.5 Min. & NAD 27)

T- 7N R- 11W SECS. 8,9

DATE @ START 24 May 2001 START TIME (2400 clock): 2030 END TIME: 2224 TOTAL TIME: 54

HABITAT TYPE: Redwood Coast-**Redwood, Tanoak, DF, Huckleberry-WHR 4d & 5d**

WEATHER (bold): clear **cloudy** mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze no **50°F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|--|
| 2030 | STATION 36 at "S" turn | P | N/A | NO RESPONSE - PYGMY OWL |
| 2045 | STATION 35 fork of E&W Willig | P | N/A | NO RESPONSE |
| 2102 | STATION 24 at Right Turn | P | N/A | NO RESPONSE |
| 2121 | STATION 23 at tipping redwood | P | N/A | NO RESPONSE |
| 2138 | STATION 22 | P | N/A | NO RESPONSE |
| 2154 | STATION 22A Rocky Point | P | N/A | NO RESPONSE ocean , shooting star |
| 2214 | STATION 1 | P | N/A | NO RESPONSE |

DATE @ START 9 June 2001 CALL # 2 OBSERVERS Mike Allred

START TIME (2400 clock): 2044 END TIME: 2137 TOTAL TIME: 53

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no **50° -52°F**

| TIME 2400 CLOCK | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2044 | STATION 36 at "S" turn | p | N/A | NO RESPONSE |
| 2057 | STATION 35 fork of E&W Willig | p | N/A | NO RESPONSE |
| 2114 | STATION 24 at Right Turn | p | N/A | NO RESPONSE |
| 2130 | STATION 23 at tipping redwood | p | N/A | NO RESPONSE |
| 2149 | STATION 22 | p | N/A | NO RESPONSE |
| 2109 | STATION 22A Rocky Point | p | N/A | NO RESPONSE - shooting star |
| 2127 | STATION 1 | p | N/A | NO RESPONSE |

DATE @ START 29 June 2001 CALL # 3 OBSERVERS Mike Allred

START TIME (2400 clock): 2048 END TIME: 2238 TOTAL TIME: 110

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze **52° - 54°F**

| TIME 2400 CLOCK | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2048 | STATION 36 at "S" turn | p | N/A | NO RESPONSE - moon out |
| 2104 | STATION 35 fork of E&W | p | N/A | NO RESPONSE - moon out |
| 2119 | Willig | p | N/A | NO RESPONSE |
| 2134 | STATION 24 at Right Turn | p | N/A | NO RESPONSE |
| 2152 | STATION 23 at tipping redwood | p | N/A | NO RESPONSE |
| 2209 | STATION 22 | p | N/A | NO RESPONSE |
| 2228 | STATION 22A Rocky Point | p | N/A | NO RESPONSE |
| | STATION 1 | | | |

SPOTTED OWL FIELD SURVEY Willig Gulch-Zigadene THP's- Calls 4,5,6-2002

LANDOWNER **Berry (WEST WILLIG)** THP# **1-08-025 SON & THP#1-12-040 SON(ZIGADENE THP)** DFG TERRITORY NO. NSO
SON0004 or NSO SON0068 or NSO SON 0049 Call #4 OBSERVERS Mike Allred

GENERAL LOCATION ½ mile to 2 ½ miles north and east of Jenner COUNTY Sonoma Quad Name Duncan's Mills (7.5 Min & NAD 27)
T- 7N R- 11W SECS. 8,9

DATE @ START 24 May 2002 START TIME (2400 clock): 2050 END TIME: 2205 TOTAL TIME: 75

HABITAT TYPE: Redwood Coast-Redwood, Tanoak, DF, Huckleberry-WHR 4d & 5d

WEATHER (bold): clear **cloudy** mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze no **50°F**

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METH. Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|---|--|---|---|
| 2050 | Station 1-36" 1603 culvert | p | N/A | NO NSO RESPONSE 56 degrees F |
| 2106 | Station 2-first landing past E. Willig fork | p | | NO NSO RESPONSE-BULL COW CALLING |
| 2125 | Station 3- plantation | p | | NO NSO RESPONSE |
| 2139 | Station 4- lower plantation ridge | p | | NO NSO RESPONSE |
| 2155 | Station 5-low THP edge near Willig Gulch | | | NO NSO RESPONSE 52 degrees |

DATE @ START 19 July 2002 CALL # 5 OBSERVERS Mike Allred

START TIME (2400 clock): 2150 END TIME: 2314 TOTAL TIME: 84

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|-----------|---|-----|-------------------------------|
| 2150 | Station 1 | P | N/A | NO NSO RESPONSE, 55 degrees F |
| 2210 | Station 2 | P | | NO NSO RESPONSE, |
| 2231 | Station 3 | P | | NO NSO RESPONSE |
| 2246 | Station 4 | P | | NO NSO RESPONSE FIREWORKS |
| 2304 | Station 5 | P | | NO NSO RESPONSE 54 degrees F |

DATE @ START 24 July 2002 CALL # 6 OBSERVERS Mike Allred

START TIME (2400 clock): 2320 END TIME: 0045 TOTAL TIME: 85

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|-----------|---|-----|-------------------------------|
| 2320 | Station 1 | p | N/A | NO NSO RESPONSE |
| 2340 | Station 2 | p | | NO NSO RESPONSE - barking dog |
| 0005 | Station 3 | p | | NO NSO RESPONSE |
| 0020 | Station 4 | p | | NO NSO RESPONSE |
| 0035 | Station 5 | p | | NO NSO RESPONSE |

SPOTTED OWL FIELD SURVEY Willig Gulch-Zigadene THP's- Calls 7,8,9-2005

LANDOWNER **Berry** THP# **1-08-025 SON AND 1-12-040 SON THP** TERRITORY NO. NSO 0004 SON. NSO0068 SON

GENERAL LOCATION **1 mile NE of Jenner** COUNTY Sonoma Quad Name Duncan's Mills T- 7N R- 11W
SECS. 8, 9

DATE @ START 13 April 2005 CALL # 7 OBSERVERS Mike Allred

START TIME (2400 clock): 2020 END TIME: 2248 TOTAL TIME: 128

HABITAT- Mesic (**REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty**)

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2020 | 36 inch culvert | P | N/A | NO NSO RESPONSE 42 degrees F |
| 2055 | Near Boundary stake | P | N/A | NO NSO RESPONSE |
| 2125 | Near Copper Hawk nest | P | N/A | NO NSO RESPONSE |
| 2155 | Saddle Junction | P | N/A | NO NSO RESPONSE |
| 2210 | Near Osprey (1982-2002) | P | N/A | NO NSO RESPONSE |
| 2224 | 2 curves below Osprey (1982-2002) | P | N/A | NO NSO RESPONSE |
| 2238 | Rocky Skid Trail | P | N/A | NO NSO RESPONSE |

DATE @ START 11 June 2005 CALL # 8 OBSERVERS Mike Allred

START TIME (2400 clock): 2150 END TIME: 2340 TOTAL TIME: 110

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|-------------|-----------------------------------|---|-----|-------------------------------------|
| 2030 | 36 inch culvert | P | N/A | NO NSO RESPONSE 50 degrees F |
| 2055 | end of landing | P | N/A | NO NSO RESPONSE |
| 2120 | Near Boundary stake | P | N/A | NO NSO RESPONSE |
| 2140 | near wash out | P | N/A | NO NSO RESPONSE |
| 2155 | Near Copper Hawk nest | P | N/A | NO NSO RESPONSE |
| 2230 | Saddle Junction | P | N/A | NO NSO RESPONSE |
| 2252 | Near Osprey (1982-2002) | P | N/A | NO NSO RESPONSE |
| 2315 | 2 curves below Osprey (1982-2002) | P | N/A | NO NSO RESPONSE Screech Owl |
| 2330 | Rocky Skid Trail | P | N/A | NO NSO RESPONSE |

DATE @ START 15 July 2005 CALL # 9 OBSERVERS Mike Allred

START TIME (2400 clock): 2145 END TIME: 0045 TOTAL TIME: 120

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|-------------|---|----------|------------|-------------------------------------|
| 2145 | 36 inch culvert | P | N/A | NO NSO RESPONSE 60 degrees F |
| 2208 | end landing | P | N/A | NO NSO RESPONSE |
| 2230 | boundary stake | P | N/A | NO NSO RESPONSE |
| 2250 | wash out | P | N/A | NO NSO RESPONSE |
| 2310 | Near Copper Hawk nest | P | N/A | NO NSO RESPONSE |
| 2335 | Saddle Junction | P | N/A | NO NSO RESPONSE |
| 0008 | 2 curves below Osprey 1982-2002) | P | N/A | NO NSO RESPONSE |
| 0035 | Rocky Skid Trail | P | N/A | NO NSO RESPONSE |

SPOTTED OWL FIELD SURVEY Willig Gulch-Zigadene THP's- Calls 10,11,12-2006

LANDOWNER **Berry** THP# **1-08-025 SON** & THP1-12-040 SON DFG TERRITORY NO. SO 068 OBSERVERS Mike Allred
CALL # 10

GENERAL LOCATION **1 mile NE of Jenner** COUNTY Sonoma Quad Name Duncan's Mills (7.5 minute & NAD 27) T- 7N
R- 11W SECS. 8, 9

DATE @ START 15 March 2006 START TIME (2400 clock): 1853 END TIME: 2045 TOTAL TIME: 112

HABITAT- Mesic (**REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty**)

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 1853 | Landing in field | P | N/A | NO NSO RESPONSE 45 degrees F |
| 1910 | Landing #2 | P | N/A | NO NSO RESPONSE |
| 1930 | Saddle Junction | P | N/A | NO NSO RESPONSE |
| 1945 | Fallen Tanoak | P | N/A | NO NSO RESPONSE |
| 2000 | Rocky Skid Trail | P | N/A | NO NSO RESPONSE |
| 2013 | Landing #3 | P | N/A | NO NSO RESPONSE Sawwhet Owl |
| 2035 | 36 inch culvert | P | N/A | NO NSO RESPONSE Sawwhet Owl |

DATE @ START 18 April 2006 CALL # 11 OBSERVERS Mike Allred

START TIME (2400 clock): 1905 END TIME: 2108 TOTAL TIME: 123

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-----------------------|---|-----|-------------------------------------|
| 1905 | landing in field | P | N/A | NO NSO RESPONSE 50 degrees F |
| 1925 | Saddle Junction | P | N/A | NO NSO RESPONSE |
| 1945 | Near Copper Hawk nest | P | N/A | NO NSO RESPONSE |
| 2011 | Fallen Tanoak | P | N/A | NO NSO RESPONSE |
| 2025 | Rocky Skid Trail | P | N/A | NO NSO RESPONSE |
| 2045 | Landing #3 | P | N/A | NO NSO RESPONSE |
| 2058 | 36 inch culvert | P | N/A | NO NSO RESPONSE |

DATE @ START 20 May 2006 Call #12 OBSERVERS Mike Allred

START TIME (2400 clock): 1805 END TIME: 2046 - TOTAL TIME: 161

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 1805 | Landing in field | P | N/A | NO NSO RESPONSE 55 degrees F |
| 1830 | Landing #2 | P | N/A | NO NSO RESPONSE dog barking |
| 1856 | Saddle Junction | P | N/A | NO NSO RESPONSE Pacific Ocean |
| 1940 | Fallen Tanoak | P | N/A | NO NSO RESPONSE |
| 2001 | Rocky Skid Trail | P | N/A | NO NSO RESPONSE Screech Owl |
| 2036 | Landing #3 | P | N/A | NO NSO RESPONSE |
| | 36 inch culvert | P | N/A | NO NSO RESPONSE Croaking fro |

NORTHERN SPOTTED OWL FIELD SURVEY Willig Gulch-Zigadene - Calls 13,14,15-2007

LANDOWNER **Berry** THP# **1-08-025 SON & THP 1-12-040 SON** DFG TERRITORY NO. SO 068 CALL # 13 OBSERVERS Mike Allred

GENERAL LOCATION **1 mile NE of Jenner** COUNTY Sonoma Quad Name Duncan's Mills T- 7N R- 11W

SECS. 8, 9

DATE @ START 7 July 2007 START TIME (2400 clock): 2035 END TIME: 2305 TOTAL TIME: 150

HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2035 | 36 inch culvert | P | N/A | NO NSO RESPONSE 62 degrees F |
| 2050 | Class III | P | N/A | NO NSO RESPONSE |
| 2110 | Landing in field #1 | P | N/A | NO NSO RESPONSE |
| 2125 | Landing #2 | P | N/A | NO NSO RESPONSE |
| 2140 | Landing #3 | P | N/A | NO NSO RESPONSE |
| 2155 | Class III | P | N/A | NO NSO RESPONSE |
| 2220 | Former Osprey Nest | P | N/A | NO NSO RESPONSE |
| 2235 | Saddle Junction | P | N/A | NO NSO RESPONSE 57 degrees |
| 2255 | Metal Gate | P | N/A | |

DATE @ START 14 July 2007 CALL # 14 OBSERVERS Mike Allred

START TIME (2400 clock): 2125 END TIME: 0040 TOTAL TIME: 195

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|-------------|---------------------|---|-----|-------------------------------------|
| 2125 | 36 inch culvert | P | N/A | NO NSO RESPONSE 66 degrees F |
| 2145 | Class III | P | N/A | NO NSO RESPONSE |
| 2205 | Landing in field #1 | P | N/A | NO NSO RESPONSE |
| 2220 | Landing #2 | P | N/A | NO NSO RESPONSE |
| 2241 | Landing #3 | P | N/A | NO NSO RESPONSE |
| 2300 | Class III | P | N/A | NO NSO RESPONSE |
| 2320 | Former Osprey Nest | P | N/A | NO NSO RESPONSE |
| 2340 | Saddle Junction | P | N/A | NO NSO RESPONSE |
| 0030 | Metal Gate | P | N/A | NO NSO RESPONSE |

DATE @ START 21 July 2007 Call # 15 OBSERVERS Mike Allred

START TIME (2400 clock): 2125 END TIME: 0055 TOTAL TIME: 210

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|-------------|--------------------------------|----------|-----|---------------------------------------|
| 2125 | 36 inch culvert | P | N/A | NO NSO RESPONSE 60 degrees F |
| 2150 | Class III | P | N/A | NO NSO RESPONSE |
| 2210 | Landing in field #1 | P | N/A | NO NSO RESPONSE moon and stars |
| 2230 | Landing #2 | P | N/A | NO NSO RESPONSE |
| 2245 | Landing #3 | P | N/A | NO NSO RESPONSE |
| 2315 | Class III | P | N/A | NO NSO RESPONSE |
| 2355 | Former Osprey Nest (1982-2002) | P | N/A | NO NSO RESPONSE |
| 0015 | Saddle Junction | P | N/A | NO NSO RESPONSE |
| 0045 | Metal Gate | P | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY Willig Gulch-Zigadene - Calls 16,17,18-2008

LANDOWNER **Berry** THP# 1-08-025 SON & THP 1-12-040 SON DFG TERRITORY NO. SO 068 CALL # 16 OBSERVERS Mike Allred

GENERAL LOCATION **1 mile NE of Jenner** COUNTY Sonoma Quad Name Duncan's Mills T- 7N R- 11W SECS. 8, 9

DATE @ START 10 April 2008 START TIME (2400 clock): 2015 END TIME: 2245 TOTAL TIME: 150

HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2015 | Saddle Junction | P | N/A | NO NSO RESPONSE 60 degrees F |
| 2035 | Former Osprey | P | N/A | NO NSO RESPONSE |
| 2055 | 2 curves below former Osprey | P | N/A | NO NSO RESPONSE SAWWHET |
| 2112 | landing at bluff | P | (V) | CALL |
| 2125 | Former Copper Hawk on mid slope rd. | P | (V) | NSO RESPONSE |
| 2140 | boundary stake | P | (V) | NSO RESPONSE |
| 2155 | 36 inch culvert | P | N/A | NSO RESPONSE |
| 2215 | landing | P | (V) | NO NSO RESPONSE |
| 2235 | S turn | P | (V) | NSO RESPONSE LOCATION CAL NSO RESPONSE |

DATE @ START 26 April 2008 CALL # 17 OBSERVERS Mike Allred

START TIME (2400 clock): 2010 END TIME: 2302 TOTAL TIME: 112

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|-------------|-------------------------------------|---|-----|---|
| 2010 | Saddle Junction | P | N/A | NO NSO RESPONSE 66to 55 degrees F |
| 2025 | Former Osprey | P | N/A | NO NSO RESPONSE |
| 2040 | 2 curves below former Osprey | P | N/A | NO NSO RESPONSE |
| 2110 | landing at bluff | P | N/A | NO NSO RESPONSE |
| 2125 | Former Copper Hawk on mid slope rd. | P | (V) | NSO RESPONSE |
| 2155 | boundary stake | P | N/A | NO NSO RESPONSE |
| 2215 | 36 inch culvert | P | N/A | NO NSO RESPONSE SAWWHET |
| 2235 | landing | P | N/A | CALL |
| 2252 | S turn | P | N/A | NO NSO RESPONSE SCREECH CALL NO NSO RESPONSE |

DATE @ START 16 May 2008 Call # 18 OBSERVERS Mike Allred

START TIME (2400 clock): 2125 END TIME: 0020 TOTAL TIME: 175

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|-------------|-------------------------------------|---|-----|---|
| 2125 | Saddle Junction | P | N/A | NO NSO RESPONSE 70 TO 60 degrees F |
| 2140 | Former Osprey | P | N/A | NO NSO RESPONSE |
| 2155 | 2 curves below former Osprey | P | N/A | NO NSO RESPONSE moon and stars |
| 2210 | landing at bluff | P | N/A | NO NSO RESPONSE |
| 2245 | Former Copper Hawk on mid slope rd. | P | N/A | NO NSO RESPONSE |
| 2305 | boundary stake | P | N/A | NO NSO RESPONSE |
| 2325 | 36 inch culvert | P | N/A | NO NSO RESPONSE |
| 2350 | landing | P | N/A | NO NSO RESPONSE |
| 0010 | S turn | P | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY Willig Gulch-Zigadene - Calls 19,20,21-2009

LANDOWNER Berry THP# 1-08-025 SON & THP #1-12-040 SON DFG TERRITORY NO. SON 0068 CALL # 19
OBSERVERS Mike Allred

GENERAL LOCATION 1 mile NE of Jenner COUNTY Sonoma Quad Name Duncan's Mills (7.5 minute & NAD 27) T- 7N

R- 11W SECS. 8,9

DATE @ START 20 March 2009 START TIME (2400 clock): 2000 END TIME: 2300 TOTAL TIME: 180

HABITAT- Mesic (**REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty**)

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2000 | Saddle Junction | P | N/A | NO NSO RESPONSE 56 degrees F |
| 2020 | Former Osprey | P | N/A | NO NSO RESPONSE |
| 2040 | 2 curves below former Osprey | P | N/A | NO NSO RESPONSE |
| 2110 | landing at bluff | P | (V) | NO NSO RESPONSE |
| 2205 | Former Copper Hawk on mid slope rd. | P | (V) | NO NSO RESPONSE |
| 2150 | boundary stake | P | (V) | NO NSO RESPONSE SAWWHET |
| 2225 | 36 inch culvert | P | N/A | OWL |
| 2215 | landing | P | (V) | NO NSO RESPONSE |
| 2250 | S turn | P | (V) | NO NSO RESPONSE --BARN OWL NSO RESPONSE |

DATE @ START 16 May 2009 CALL # 20 OBSERVERS Mike Allred

START TIME (2400 clock): 2251 END TIME: 2 435 TOTAL TIME: 104

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|-------------|-------------------------------------|---|-----|-------------------------------------|
| 2151 | Saddle Junction | P | N/A | NO NSO RESPONSE 58 degrees F |
| 2207 | Former Osprey | P | N/A | NO NSO RESPONSE |
| 2225 | 2 curves below former Osprey | P | N/A | NO NSO RESPONSE |
| 2310 | landing at bluff | P | N/A | NO NSO RESPONSE |
| 2340 | Former Copper Hawk on mid slope rd. | P | (V) | MALE NSO RESPONSE |
| 2320 | boundary stake | P | N/A | NO NSO RESPONSE SCREECH OWL |
| 2340 | 36 inch culvert | P | N/A | NO NSO RESPONSE |
| 2410 | landing | P | N/A | NO NSO RESPONSE SCREECH OWL |
| 2425 | S turn | P | N/A | LOCATIONAL CALL BY FEMALE |

DATE @ START 25 May 2009 Call # 21 OBSERVERS Mike Allred

START TIME (2400 clock): 2020 END TIME: 2320 TOTAL TIME: 180

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|-------------|-------------------------------------|---|-----|-------------------------------------|
| 2020 | Saddle Junction | P | N/A | NO NSO RESPONSE 65 degrees F |
| 2040 | Former Osprey | P | N/A | NO NSO RESPONSE |
| 2055 | 2 curves below former Osprey | P | N/A | NO NSO RESPONSE |
| 2110 | landing at bluff | P | N/A | NO NSO RESPONSE |
| 2125 | Former Copper Hawk on mid slope rd. | P | N/A | NO NSO RESPONSE |
| 2150 | boundary stake | P | N/A | NO NSO RESPONSE |
| 2215 | 36 inch culvert | P | N/A | NO NSO RESPONSE |
| 2230 | landing | P | N/A | NO NSO RESPONSE |
| 2310 | S turn | P | N/A | NO NSO RESPONSE |

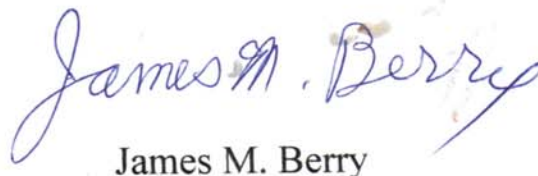
Date: June 1, 2009
Reference: THP #1-08-025 SON
Willig Gulch THP—request for Technical Assistance

Calfire
Ronald Pape
135 Ridgway Ave,
Santa Rosa, CA 95401

Dear Mr. Pape:

The technical assistance from Ken Hoffman of U.S. Fish and Wildlife for determination of NSO Take / No-Take for the above THP was received in 2008 and is on file with U.S. Fish and Wildlife and Calfire. Copies of surveys of each calling date in 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 and 2009 are enclosed. The 81 acre THP is entirely selective and partly in the Coast Zone within Special Treatment Area Rules. The NSO data base and vegetative maps, 2 aerial photos (one for Calfire showing the THP location and vegetation) and tables for 4 potential NSO areas were enclosed with the 2008 packet. They include 24 calls plus three in 2009. Enclosed are calls on 5/24/01, 6/9/01, 6/29/01, 7/6/02, 7/19/02, 7/24/02, 3/6/03, 4/10/03, 5/25/03, 6/20/04, 7/11/04, 7/21/04, 4/13/05, 6/11/05, 7/15/05, 3/15/06, 4/18/06, 5/20/06, 7/7/07, 7/14/07, 7/21/07, 4/10/08, 4/26/08, 5/16/08, 3/20/09, 5/16/09, 5/25/09. The Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Phone calls may be directed to Jim Berry at (707) 632-5280.

In search of the Northern Spotted Owl in Sonoma County each year since 1989,


James M. Berry

FILE COPY



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Arcata Fish and Wildlife Office

1655 Heindon Road

Arcata, California, 95521

Phone: (707) 822-7201 FAX: (707) 822-8411

In Reply Refer To:
8-14-2008-TA-3441.2

JUN 17 2009

Ms. Leslie Markham
Deputy Chief, Forest Practice
Dept. of Forestry and Fire Protection
135 Ridgeway Avenue
Santa Rosa, CA 95402

Subject: Response to Request for Additional Technical Assistance Regarding 1-08-025 SON

Dear Ms. Markham:

This responds to a request for additional U.S. Fish and Wildlife Service (Service) technical assistance, received in our office on June 11, 2009, on the above timber harvest plan (THP). At issue in the request is the potential for incidental take of the federally listed northern spotted owl (*Strix occidentalis caurina*) as a result of operations conducted as proposed on the above THP. After review of the information pertaining to this request, the Service provides the following technical assistance.

This is a 81-acre (selection) THP located in Sections 7, 8, and 17, Township 7 North, Range 11 West, M.D.B.&M. in Sonoma County (see enclosed map). There are no known northern spotted owl activity centers located within 0.25 mile of the above THP. The Service has determined that operations conducted as proposed on the above THP would not be likely to incidentally take northern spotted owls, provided operations are complete prior to February 1, 2010.

All maps and data used to provide this technical assistance are on file at this office. If you have questions regarding this response, please contact Mr. Ken Hoffman of my staff at the Arcata Fish and Wildlife Office at (707) 822-7201.

Sincerely,

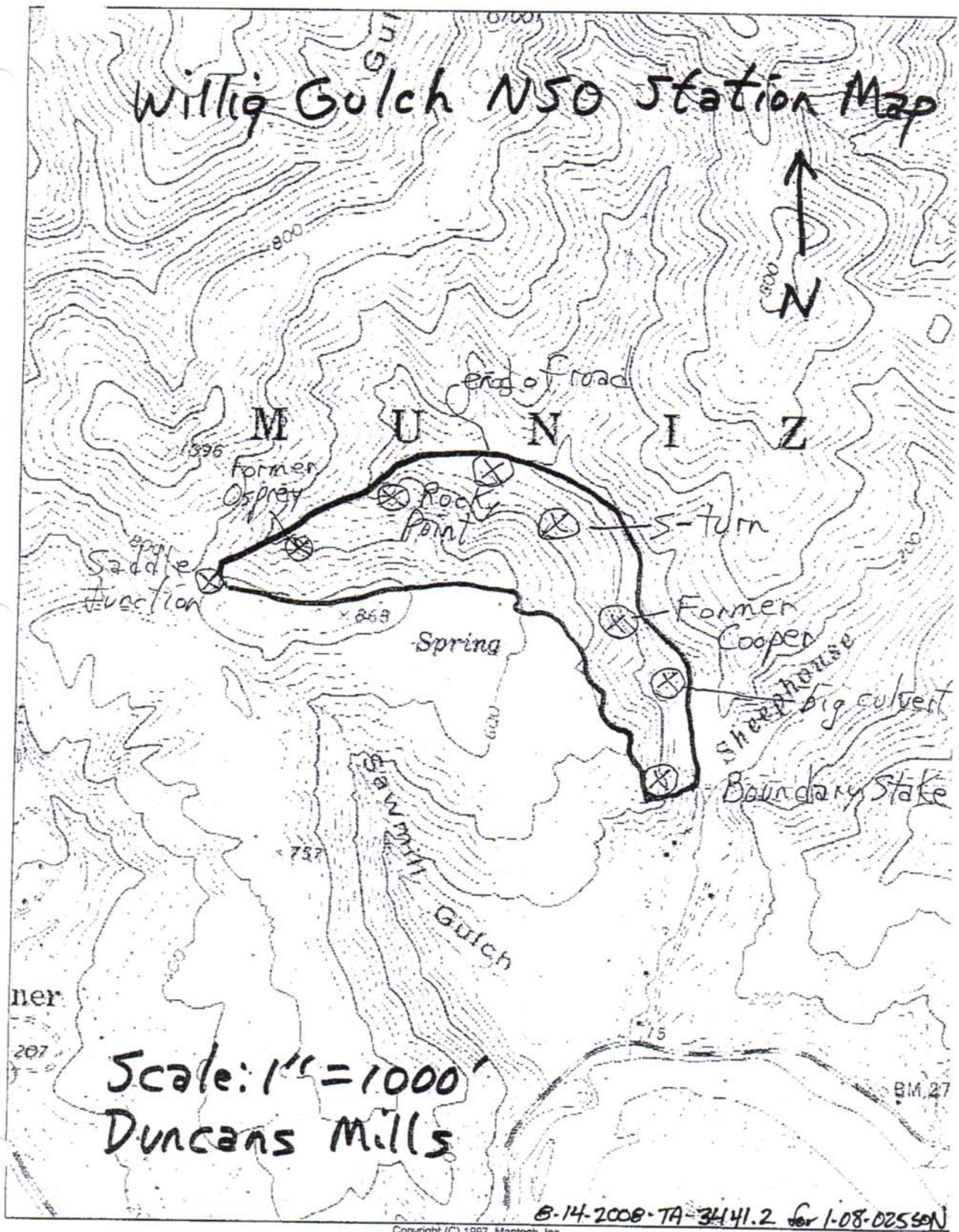
Andy DeVolder
Acting Field Supervisor

Enclosure

cc:

CDF: J. Bawcom 2210 W. College Ave., Santa Rosa, CA 95401

RPF: J. Berry, PO Box 94, Cazadero 95421



NORTHERN SPOTTED OWL FIELD SURVEY Willig Gulch-Zigadene - Calls 22,23,24-2010

LANDOWNER **Berry** THP# **1-08-025 SON & THP#1-12-040** DFG TERRITORY NO. NSO 0068 OBSERVERS Jim Berry Call #22

GENERAL LOCATION **1 mile NE of** COUNTY Sonoma T- 7N R- 11W SECS. 8,9

DATE @ START 17 March 2010 START TIME (2400 clock): 2024 END TIME: 2207 TOTAL TIME: 103

HABITAT- Physiographic Province: Redwood Coast Mesic (**REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote**)

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no----

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|---|
| 2024 | Opposite 0068 Activity Center | P | N/A | NO NSO RESPONSE |
| 2048 | Willig Gulch Culvert #1 | P | N/A | NO NSO RESPONSE |
| 2104 | S turn | P | N/A | NO NSO RESPONSE 2 DISTANT MALE NSO CALLS-SAWWHET FOR 8 MIN. |
| 2122 | Culvert #11 | P | (V) | NSO RESPONSE-TWO MORE DISTANT MALE CALLS |
| 2140 | At former osprey nest | P | N/A | NO NSO RESPONSE |
| 2157 | Saddle Junction | P | N/A | NO NSO RESPONSE |

DATE @ START 1 April 2010 OBSERVERS Jim Berry CALL #23

START TIME (2400 clock): 2121 END TIME: 2 306 TOTAL TIME: 105

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|-------------|---------------------------------|---|-----|--|
| 2121 | 0068 NSO ACTIVITY CENTER | P | N/A | NO NSO RESPONSE |
| 2155 | WILLIG GULCH CULVERT #1 | P | N/A | NO NSO RESPONSE |
| 2209 | S TURN | P | N/A | NO NSO RESPONSE-SAWWHET AT 2212 TO 2219 |
| 2227 | CULVERT #11 | P | N/A | NO NSO RESPONSE |
| 2240 | FORMER OSPREY NEST | P | N/A | NO NSO RESPONSE-SAWWHET AT 2240 TO 2250 |
| 2256 | SADDLE JUNCTION | P | N/A | NO NSO RESPONSE |

DATE @ START 16 April 2010 OBSERVERS Jim Berry CALL #24

START TIME (2400 clock): 2207 END TIME: 2 358 TOTAL TIME: 111

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|-------------|---------------------------------|---|-----|--|
| 2207 | 0068 NSO ACTIVITY CENTER | P | (v) | FEMALE NSO RESPONSE AT 2208 WITH LOCATIONAL CALL |
| 2155 | WILLIG GULCH CULVERT #1 | P | N/A | NO NSO RESPONSE |
| 2225 | S TURN | P | N/A | NO NSO RESPONSE |
| 2310 | CULVERT #11 | P | N/A | NO NSO RESPONSE |
| 2340 | FORMER OSPREY NEST | P | N/A | NO NSO RESPONSE |
| 2340 | SADDLE JUNCTION | P | N/A | NO NSO RESPONSE -HEARD A STICK SNAP AND MT. LION SHOWED UP FOR DINNER |

ATTEMPTED TO FIND EXACT NEST TREE BY DAY CALLING AND LOOKING FOR WHITE WASH NEAR ACTIVITY CENTER ON APRIL 17, 2010 BUT WAS UNSUCCESSFUL

DATE @ START 11 May 2010 CALL #25 OBSERVERS Jim Berry

START TIME (2400 clock): 2121 END TIME: 2 435 TOTAL TIME: 194

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|-------------|--|---|-----|--|
| 2110 | 0068 NSO ACTIVITY CENTER | P | (v) | FEMALE NSO RESPONSE AT 2123 TO 2129 UNTIL FEMALE CALL ON CALLER THEN WAS SILENT |
| 2140 | WILLIG GULCH CULVERT #1 | P | N/A | NO NSO RESPONSE |
| 2357 | S TURN | P | N/A | NO NSO RESPONSE-SCREECH CALLED FROM 2200 UNTIL WE LEFT |
| 2213 | CULVERT #11 | P | N/A | NO NSO RESPONSE |
| 2233 | FORMER OSPREY NEST | P | N/A | NO NSO RESPONSE |
| 2300 | SADDLE JUNCTION | P | N/A | NO NSO RESPONSE |
| 2320 | ZIGADENE RIDGE TO LOCATE NSO 0049 ON JENNER GULCH | P | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY Berry 2011, Calls 25,26,27

LANDOWNER **Berry** THP# **1-08-025 SON & THP#1-12-040 SON** DFG TERRITORY NO. SON 0068 CALL #25OBSERVERS Jim Berry

GENERAL LOCATION **1 mile NE of Jenner** HABITATCOUNTY Sonoma Quad Name Duncan's Mills (7.5 minute &NAD 27) T-7N R- 11W SECS. 8, 9

DATE @ START 30 March 2011 START TIME (2400 clock): 2035 END TIME: 2240 TOTAL TIME: 99

-HABITAT: Mesic (**REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty**)

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2135 | Willig Gulch Culvert #1 | P | N/A | NO NSO RESPONSE |
| 2129 | S turn | P | N/A | NO NSO RESPONSE-SCREECH-10 MIN. |
| 2146 | former osprey nest | P | N/A | NO NSO RESPONSE-NIGHT INSECTS |
| 2200 | Saddle Junction | P | N/A | NO NSO RESP[ONSE-BREAKERS |
| 2230 | Opposite 0068 Activity Center-1 MILE | P | N/A | NO NSO RESPONSE |

DATE @ START 8 April 2011 CALL #26 OBSERVERS Jim Berry

START TIME (2400 clock): 2035 END TIME: 2 214 TOTAL TIME: 99

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|-------------|-------------------------------|---|-----|---------------------------------------|
| 2035 | Saddle Junction | P | N/A | NO NSO RESPONSE-SAWWHET 5 MIN. |
| 2049 | former osprey nest | P | N/A | NO NSO RESPONSE |
| 2104 | Culvert #12 | P | N/A | NO NSO RESPONSE-PYGMY |
| 2119 | S turn | P | (V) | DISTANT MALE NSO ON E. WILLIG |
| 2133 | Willig Gulch Culvert #1 | P | N/A | NSO RESPONSE-TWO FAINT CALLS |
| 2204 | Opposite 0068 Activity Center | P | N/A | NO NSO RESPONSE |

DATE @ START 29 April 2011 OBSERVERS Jim Berry CALL #27

START TIME (2400 clock): 2151 END TIME: 2 356 TOTAL TIME: 127

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|-------------|---------------------------------|---|-----|--------------------------------------|
| 2151 | S TURN | P | N/A | NO NSO RESPONSE-STEADY BREEZE |
| 2206 | CULVERT #11 | P | N/A | NO NSO RESPONSE |
| 2224 | FORMER OSPREY NEST | P | N/A | NO NSO RESPONSE |
| 2237 | SADDLE JUNCTION | P | N/A | NO NSO RESPONSE |
| 2259 | WILLIG GULCH CULVERT #2 | P | N/A | NO NSO RESPONSE |
| 2346 | 0068 NSO ACTIVITY CENTER | P | N/A | NO NSO RESPONSE |

Date: April 30, 2011

Reference: THP #1-08-025 SON
Willig Gulch THP


Wendy Snider
Calfire NSO Consultation
135 Ridgway Ave.
Santa Rosa, CA 95401

Dear Calfire:

We would like to request technical assistance for determination of NSO Take / No-Take for the above THP for the year 2011. Enclosed are the calls for 2011 and comprise another check call to make sure there is no new nesting activity. All previous NSO data are on file with Calfire and U. S. Fish and Wildlife. U.S. Fish and Wildlife has provided technical assistance for the years 2008, 2009 and 2010 for THP 1-08-025 SON. Twenty-five previous calls by Mike Allred and Jim Berry are on file with Calfire and U.S. Fish and Wildlife. Please forward this letter and updated data at your earliest convenience to the appropriate technician at U.S. Fish and Wildlife, 1655 Heindon, Arcata, CA 95521 or FAX 822-8411 tel:707-822-7201.

There continues to be three NSO territories within 1.3 miles of the THP as shown on the Willig Gulch THP habitat map. Attempts to locate NSO 0049 have been unsuccessful. Only NSO 0068 is within this watershed and the female has been confirmed using the same activity center if not the same nesting or central roosting tree in 2010 but not so far in 2011. No activity within THP 1-08-025 SON has been detected in 2011. Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Normal protocol also includes a TAC letter to the Resource Manager for CDF in Region 1. Phone calls may be directed to (707) 632-5280 or email jim@cazaderowaterco.com,

In search of the Northern Spotted Owl each year since 1989


James M. Berry



In Reply Refer To:
AFWO-11B0116-11TA0122

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Arcata Fish and Wildlife Office
1655 Heindon Road
Arcata, California 95521
Phone: (707) 822-7201 FAX: (707) 822-8411



MAY 16 2011

Ms. Leslie Markham
Deputy Chief, Forest Practice
California Department of Forestry and Fire Protection
135 Ridgeway Avenue
Santa Rosa, California 95402

Subject: Response to Request for Technical Assistance Regarding Timber Harvest Plan
1-08-025 SON (Willig Gulch), Sonoma County, California

Dear Ms. Markham:

This responds to a request for Fish and Wildlife Service (Service) technical assistance, received in our office on May 6, 2011, on the above proposed Timber Harvest Plan (THP). The Service's responsibilities include administering the Endangered Species Act of 1973, as amended (Act). Section 3(18) 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. Incidental take is defined as take that is incidental to, but not the purpose of, carrying out an otherwise lawful activity. At issue in the request is the potential for incidental take of the federally listed as threatened northern spotted owl (*Strix occidentalis caurina*) as a result of operations conducted under the THP. After review of the information pertaining to this request, the Service provides the following technical assistance.

The Willig Gulch THP encompasses 81 acres, and is located in Sections 7, 8, and 17, Township 7 North, Range 11 West, M.D.B.&M., in Sonoma County, California. There is one known northern spotted owl activity center, SON0049, located within 0.7 mile of the THP area, and another activity center, SON0068, is located within 1.3 miles of the THP area. Surveys for northern spotted owls were conducted at the THP area in each year from 2008 through 2011. Northern spotted owls were not detected at SON0049, and activity center SON0068 was found to be occupied in 2011, but nesting status has not been determined. In 2011, the project proponent proposes to harvest timber using selection silvicultural treatment.

The Service has determined that operations conducted as proposed on the Willig Gulch THP would not be likely to incidentally take northern spotted owls, provided the activities are completed by February 1, 2012. We base this determination on the distance of northern spotted owls from the proposed timber harvesting activities, and northern spotted owl habitat retention previously described in the THP and evaluated by the Service.

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NORTHERN SPOTTED OWL FIELD SURVEY Willig Gulch -Zigadene—2012 Calls 28,29,30

LANDOWNER **Berry** THP# **1-08-025 SON** AND ZIGADENE THP **1-12-040 SON** DFG TERRITORY NO. SON CALL #**28**
 GENERAL LOCATION **1 mile NE of Jenner** COUNTY Sonoma **0068** Quad Name Duncan's Mills 7.5 Min X T- 7N
 R- 11W SECS. 8,9 DATE @ START 5 March 2012 OBSERVERS Jim Berry, Joyce Berry START TIME
 (2400 clock): 2033 END TIME: 2219 TOTAL TIME: 106

HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2033 | Willig Gulch Culvert #1 or #2 | P | N/A | NO NSO RESPONSE |
| 2047 | S turn | P | N/A | NO NSO RESPONSE. |
| 2102 | culvert # 11 | P | N/A | NO NSO RESPONSE-- SCREECH OWL |
| 2123 | former osprey nest | P | N/A | NO NSO RESPONSE---BREAKERS, SEA |
| 2138 | Saddle Junction | P | N/A | NO NSO RESPONSE |
| 2209 | Opposite 0068 Activity Center-1 mile | P | N/A | NO NSO RESPONSE |

DATE @ START 7 April 2012 CALL #29 OBSERVERS Jim Berry

START TIME (2400 clock): 2051 END TIME: 2 227 TOTAL TIME: 95

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-------------------------------|---|-----|-----------------------------------|
| 2051 | Willig Gulch Culvert #1 or #2 | P | N/A | NO NSO RESPONSE-WILLIG GULCH |
| 2106 | S turn | P | N/A | FEMALE THEN MALE NSO .-ZIG. Ridge |
| 2122 | culvert # 11 | P | N/A | MALE NSO RESPONSE FOLLOWING |
| 2139 | former osprey nest | P | (V) | FEMALE FROM #11 & MALE IN DIST. |
| 2153 | Saddle Junction | P | N/A | NSO RESPONSE-TWO FAINT CALLS |
| 2217 | triaangle road intersection | P | N/A | NSO RESPONSE-E-W WILLIG FORK |
| 2242 | Opposite 0068 Activity Center | P | N/A | NO NSO RESPONSE |

DATE @ START 16 April 2012 OBSERVERS Jim Berry CALL # 30

START TIME (2400 clock): 2155 END TIME: 0011 TOTAL TIME: 136

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|----------------------------------|---|-----|-------------------------------|
| 2155 | Willig Gulch Culvert #1 or #2 | P | N/A | NO NSO RESPONSE- WILLIG GULCH |
| 2206 | S turn | P | N/A | NOISY MALE NSO RESPONSE- FROM |
| | | P | N/A | CULV. # 3 |
| 2224 | culvert # 11 | P | N/A | NO NSO RESPONSE |
| 2237 | former osprey nest | P | N/A | NO NSO RESPONSE--BREAKERS |
| | Saddle Junction | P | N/A | NO NSO RESPONSE SEA LIONS |
| 2259 | | p | N/A | CALLING |
| | | P | N/A | |
| 2315 | triaangle road intersection | | | NO NSO RESPONSE |
| 2338 | 36" CULV. OPP. MALE CALL AT 2215 | | | NO NSO RESPONSE |
| 0001 | Opposite 0068 Activity Center | | | NO NSO RESPONSE |

NORTHERN SPOTTED OWL FIELD SURVEY Willig Gulch -Zigadene—2013 Calls 31,32,33

LANDOWNER **Berry** THP# **1-08-025 SON &1-12-040** DFG TERRITORY NO. SON 0068 Quad Name CALL #31 OBSERVERS Jim Berry

GENERAL LOCATION **1 mile NE of Jenner** COUNTY Sonoma Duncan's Mills (7.5 Min &NAD 27) T- 7N R- 11W SECS. 8, 9

DATE @ START 6 May 2013 START TIME (2400 clock): 2147 END TIME: 2335 TOTAL TIME: 108

HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|---|---|
| 2147 | Willig Gulch Culvert #1 or #2 | P | N/A | NO NSO RESPONSE |
| 2200 | S turn | P | N/A | NO NSO RESPONSE. |
| 2219 | culvert # 11 | P | N/A | NO NSO RESPONSE-SCREECH 2121 TO 2129 |
| 2236 | former osprey nest | P | N/A | NO NSO RESPONSE SAWWHETT PAIR |
| 2251 | Saddle Junction | P | N/A | NO NSO RESPONSE-TWO DEER QUIET |
| 2307 | High Point | P | N/A | NO NSO RESPONSE |
| 2325 | 3 corners | P | | NO NSO RESPONSE |

DATE @ START 13 May 2013 CALL #32 OBSERVERS Jim Berry

START TIME (2400 clock): 2135 END TIME: 2355 TOTAL TIME: 140

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------------------------|---|-----|--|
| 2135 | Willig Gulch Culvert #1 or #2 | P | N/A | NO NSO RESPONSE-WILLIG GULCH |
| 2148 | S turn | P | N/A | NO NSO RESPONSE |
| 2114 | culvert # 11 | P | N/A | NO NSO RESPONSE |
| 2230 | former osprey nest | P | (V) | NO NSO RESPONSE- SCREECH PAIR. |
| 2246 | Saddle Junction | P | N/A | NO NSO RESPONSE-SURF & TREE |
| 2310 | Lower Jenner Fork | P | N/A | FROGS |
| 2345 | Upper Jenner Fork | P | N/A | NO 6 NSO RESPONSE NO NSO RESPONSE-SCREECH OWL PAIR |

DATE @ START 2 June 2013 OBSERVERS Jim Berry CALL # 33

START TIME (2400 clock): 2139 END TIME: 2338 TOTAL TIME: 119

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|---|---|-----------|--|
| 2139 | Willig Gulch Culvert #1 or #2 | P | N/A | NO NSO RESPONSE- WILLIG GULCH |
| 2154 | S turn | P | V | MALE & FEMALE NSO BRIEFLY |
| 2212 | culvert # 11 | P | N/A | NO NSO RESPONSE-SCREECH |
| 2229 | former osprey nest | P | N/A | 2213-2217 NO NSO RESPONSE--BREAKERS |
| 2244 | Saddle Junction | P | N/A | NO NSO RESPONSE SEA LION CALL |
| 2309 | High Point Zig. Ridge-abandoned rd. | p | N/A | NO NSO RESPONSE-SCREECH OWL |
| 2328 | Holly-leafed ceanothus prairie rd. fork | | V & OBSV. | <u>MALE BARRED AND MALE NSO</u> |

NORTHERN SPOTTED OWL FIELD SURVEY Willig Gulch –Zigadene THP’s –Calls 34,35,36-2013

LANDOWNER **Berry** THP# **1-08-025 SON AND THP #1-12-040 SON** DFG TERRITORY NO. **SON 0068 and/or SON 0004**

Latitude (N) 38.4631902 Longitude (W) 123.1005057 CALL #35 OBSERVERS **Jim Berry**

GENERAL LOCATION **1 mile NE of Jenner** COUNTY **Sonoma** Quad Name **Duncan’s Mills** (7.5 Min & NAD 27) T- **7N** R- **11W** SECS. **8, 9**

DATE @ START **6 May 2013** START TIME (2400 clock): **2147** END TIME: **2335** TOTAL TIME: **108**

HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze no

| TIME 2400 clock | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer’s location, misc. owl info., other observations, or change in weather/wind) |
|-----------------------|--|--|--|--|
| 2147 | Willig Gulch Culvert #1 or #2 | P | N/A | NO NSO RESPONSE |
| 2200 | S turn | P | N/A | NO NSO RESPONSE. |
| 2219 | culvert # 11-rwd. hollow | P | N/A | NO NSO RESPONSE-SCREECH 2129 |
| 2236 | former osprey nest | P | N/A | NO NSO RESPONSE-SCREECH |
| 2251 | Saddle Junction | P | N/A | NO NSO RESPONSE-TWO DEER |
| 2307 | Zigadene Ridge high point | P | N/A | NO NSO RESPONSE-SAWWHETT PAIR |
| 2325 | Three corners | P | | NO NSO RESONSE |

DATE @ START **13 May 2013** CALL #36 OBSERVERS **Jim Berry**

START TIME (2400 clock): **2135** END TIME: **2355** TOTAL TIME: **140**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze no

| | | | | |
|------|-------------------------------|---|-----|---------------------------------|
| 2135 | Willig Gulch Culvert #1 or #2 | P | N/A | NO NSO RESPONSE |
| 2148 | S turn | P | N/A | NO NSO RESPONSE |
| 2214 | culvert # 11-18” | P | N/A | NO NSO RESPONSE |
| 2230 | former osprey nest | P | N/A | NO NSO RESPONSE-SCREECH 8 MIN. |
| 2246 | Saddle Junction | P | N/A | NO NSO RESPONSE-SURF, TR. FROGS |
| 2310 | Zigadene Ridge-high point | P | N/A | NO NSO RESPONSE |
| 2345 | Zigadene Ridge-three corners | P | N/A | NO NSO RESPONSE-SCREECH PAIR |

DATE @ START **2 June 2013** OBSERVERS **Jim Berry** CALL # 37

START TIME (2400 clock): **2139** END TIME: **2356** TOTAL TIME: **137**

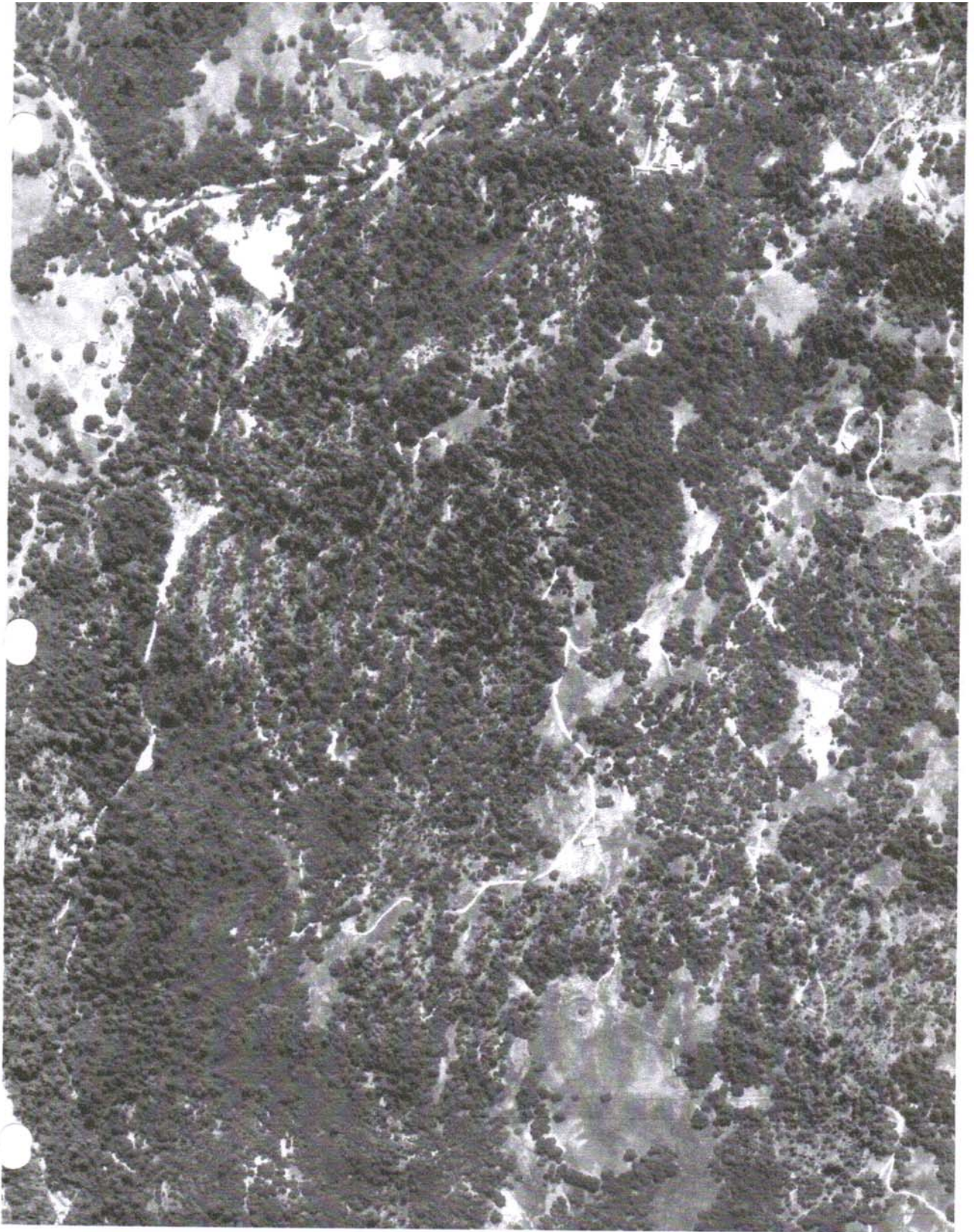
WEATHER (BOLD): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze no

| | | | | |
|------|-------------------------------|---|------------|--------------------------------|
| 2139 | Willig Gulch Culvert #1 or #2 | P | N/A | NO NSO RESPONSE |
| 2154 | S turn | P | VOCAL ONLY | MALE & FEMALE NSO-2005 & 2009 |
| 2212 | culvert # 11-18”RWD. HOLLOW | P | N/A | NO NSO RESPONSE-SCREECH 2213 |
| 2229 | former osprey nest | P | N/A | NO NSO RESPONSE. |
| 2244 | Saddle Junction | P | N/A | NO NSO RESPONSE |
| 2309 | Zigadene Ridge-high point | P | N/A | NO NSO RESPONSE-SCREECH |
| 2328 | Zigadene Ridge THP RD.FORK | P | V & O | MALE NSO-MALE BARRED 2339-2346 |
| 2346 | East Willig Gulch | P | N/A | NO NSO OR BARRED RESPONSE |

End of Willig Gulch THP#1-08-025 SON & THP#1-12-040 SON NSO DATA

Begin Berry Family NSO DATA

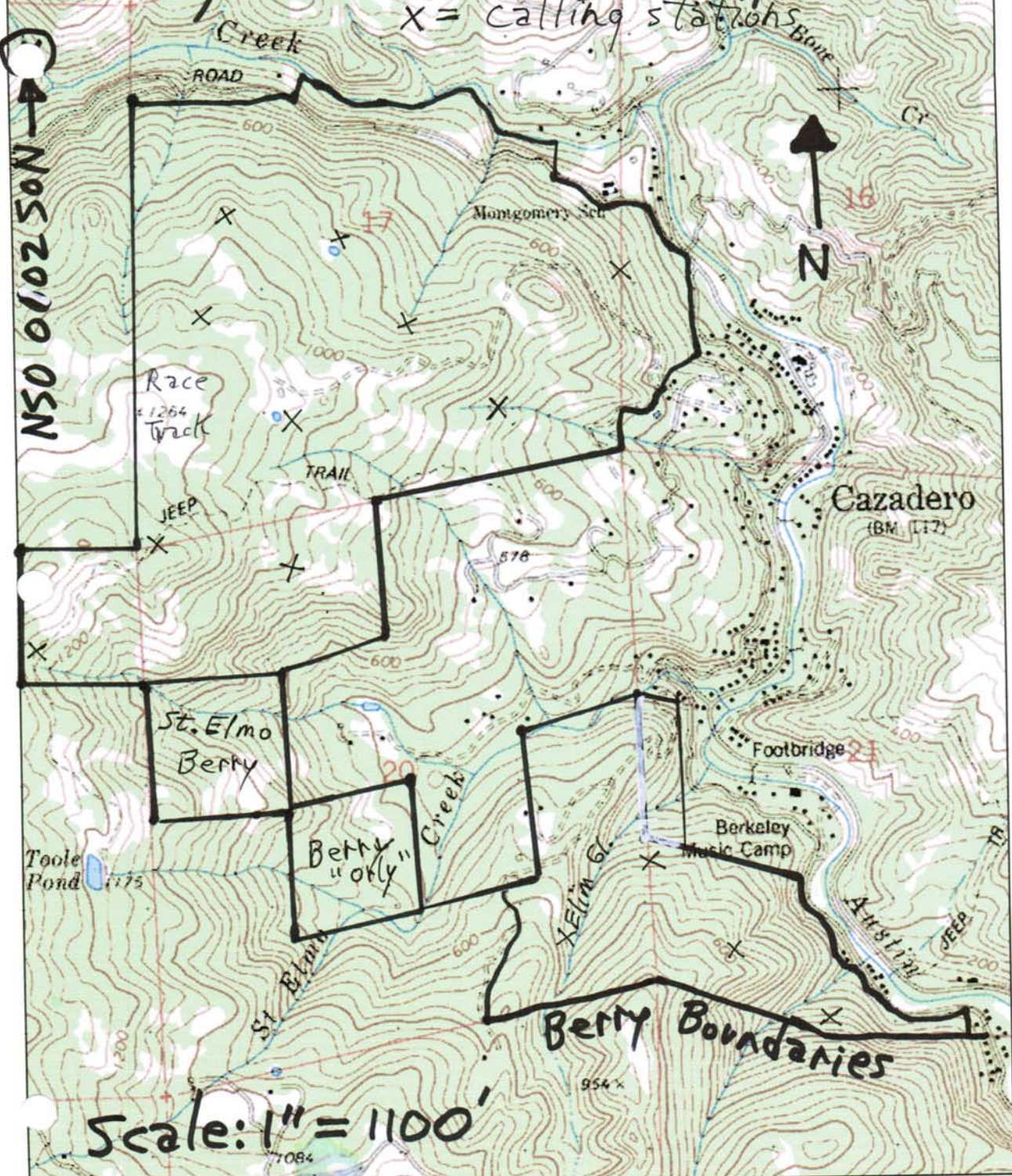
NO BERRY FAMILY CALLS FROM 1992 TO 2001 AND NONE IN 2002,2003, 2004



Berry TPZ - NSO Calling Stations

x = calling stations

NSO 010250N



Field Survey for Northern Spotted Owl-Berry Family-1991 Calls 1-6

LANDOWNER **Berry Family** DFG TERRITORY NO. None Known OBSERVERS: **JIM BERRY**

GENERAL LOCATION **one mile west of Cazadero** County **Sonoma** Quad Name: Cazadero (7.5 minute NAD 27) **Section 17,20,21, T8N, R11W**

DATE @ START **16 April 1991**_START TIME 2003 (2400 clock): 2000 END TIME: 2400 TOTAL TIME: 240

HABITAT: Douglas Fir, Rwd. , Oregon White oak, Black Oak, Live Oak, bay, Big leaf Maple, Madrone, Long Beard Lichen, Sword Fern

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME | LOCATION | CALLING | SPECIES / SEX | CONTENTS |
|---------------|---|---|--|--|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |

| | | | | |
|------|-----------------------|---|-----|-----------------------|
| 2000 | HOTEL SPRING | P | N/A | No NSO Response quiet |
| | GOLD MINE | P | N/A | No NSO Response quiet |
| | DEAD HORSE | P | N/A | No NSO Response quiet |
| | WHITE OAK | P | N/A | No NSO Response quiet |
| | SCHOOL SLIDE | P | N/A | No NSO Response |
| TO | RIDGE BELOW LONE PINE | P | N/A | NSO Response |
| | POND | P | N/A | No NSO Response |
| | FT. ROSS ROAD GATE | P | N/A | No NSO Response |
| | LONE PINE PLATATION | P | N/A | No NSO Response |
| | SHEEP BARN SITE | P | N/A | No NSO Response |
| | RACE TRACK | P | N/A | No NSO Response |
| | BACK 40 | p | N/A | No NSO Response |
| 2400 | BUCKEYE SPRING | P | N/A | No NSO Response |
| | 4 CORNERS | | | |

DATE @ START 23 April 1991 CALL # 2 OBSERVERS JIM BERRY

START TIME (2400 clock): 2000 END TIME: 2400 TOTAL TIME: 240

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-----------------------|---|-----|---------------------------------------|
| 2000 | HOTEL SPRING | P | N/A | No NSO Response |
| | GOLD MINE | P | N/A | No NSO Response |
| | DEAD HORSE | P | N/A | No NSO Response |
| | WHITE OAK | P | N/A | No NSO Response |
| | SCHOOL SLIDE | P | N/A | No NSO Response |
| | RIDGE BELOW LONE PINE | P | N/A | No NSO Response |
| | POND | P | N/A | No NSO Response |
| TO | FT. ROSS ROAD GATE | P | N/A | No NSO Response |
| | LONE PINE PLATATION | P | N/A | No NSO Response MUD HENS AT POND |
| | SHEEP BARN SITE | P | N/A | No NSO Response |
| | RACE TRACK | P | N/A | No NSO Response |
| 2400 | BACK 40 | p | N/A | No NSO Response PYGMY OWL |
| | BUCKEYE SPRING | P | N/A | CALLING |
| | 4 CORNERS | | | No NSO Response FLICKER/JAYS UPSET |

OBSERVERS Jim Berry Call #3

DATE @ START: 21 May 1991 START TIME (2400 clock): 2000 END TIME: 2400 TOTAL TIME: 240

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|------|-----------------------|---|-----|----------------------------|
| 2000 | HOTEL SPRING | P | N/A | No NSO Response |
| | GOLD MINE | P | N/A | No NSO Response |
| | DEAD HORSE | P | N/A | No NSO Response |
| | WHITE OAK | P | N/A | No NSO Response |
| | SCHOOL SLIDE | P | N/A | No NSO Response |
| | RIDGE BELOW LONE PINE | P | N/A | No NSO Response |
| TO | POND | P | N/A | No NSO Response FEMALE NSO |
| | FT. ROSS ROAD GATE | P | N/A | SQWAWK |
| | LONE PINE PLATATION | P | N/A | No NSO Response |
| | SHEEP BARN SITE | P | N/A | No NSO Response |
| | RACE TRACK | P | N/A | No NSO Response |
| | BACK 40 | p | N/A | No NSO Response |
| 2400 | BUCKEYE SPRING | P | N/A | No NSO Response |
| | 4 CORNERS | p | N/A | No NSO Response |
| | MC KEAN ORCHARD | | | No NSO Responsd |

Field Survey for Northern Spotted Owl-Berry Family- Call #4-1991

OBSERVERS **Jim Berry** Call #4

DATE @ START **24 June 1991** START TIME (2400 clock): **2000** END TIME: **2400** TOTAL TIME: **240**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|------|-----------------------|---|-----|-----------------|
| 2000 | HOTEL SPRING | P | N/A | No NSO Response |
| | GOLD MINE | P | N/A | No NSO Response |
| | DEAD HORSE | P | N/A | No NSO Response |
| | WHITE OAK | P | N/A | No NSO Response |
| | SCHOOL SLIDE | P | N/A | No NSO Response |
| | RIDGE BELOW LONE PINE | P | N/A | No NSO Response |
| TO | POND | P | N/A | No NSO Response |
| | FT. ROSS ROAD GATE | P | N/A | No NSO Response |
| | LONE PINE PLATATION | P | N/A | No NSO Response |
| | SHEEP BARN SITE | P | N/A | No NSO Response |
| | RACE TRACK | P | N/A | No NSO Response |
| | BACK 40 | p | N/A | No NSO Response |
| | BUCKEYE SPRING | P | N/A | No NSO Response |
| 2400 | 4 CORNERS | p | N/A | No NSO Response |

DATE @ START **21 JULY 1991** CALL # **5** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2000** END TIME: **2400** TOTAL TIME: **240**

WEATHER (In yellow): clear cloudy **mist/fog** light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|------|-----------------------|---|-----|-----------------|
| 2000 | HOTEL SPRING | P | N/A | No NSO Response |
| | GOLD MINE | P | N/A | No NSO Response |
| | DEAD HORSE | P | N/A | No NSO Response |
| | WHITE OAK | P | N/A | No NSO Response |
| | SCHOOL SLIDE | P | N/A | No NSO Response |
| | RIDGE BELOW LONE PINE | P | N/A | No NSO Response |
| TO | POND | P | N/A | No NSO Response |
| | FT. ROSS ROAD GATE | P | N/A | No NSO Response |
| | LONE PINE PLATATION | P | N/A | No NSO Response |
| | SHEEP BARN SITE | P | N/A | No NSO Response |
| | RACE TRACK | P | N/A | No NSO Response |
| | BACK 40 | p | N/A | No NSO Response |
| | BUCKEYE SPRING | P | N/A | No NSO Response |
| 2400 | 4 CORNERS | p | N/A | No NSO Response |

Field Survey for Northern Spotted Owl-Berry Family-Call #6-1991

DATE @ START 2 AUGUST 1991

CALL # 6

OBSERVERS Jim Berry

START TIME (2400 clock): 2000 END TIME: 2400 TOTAL TIME: 240

WEATHER (In yellow): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze

| TIME | LOCATION | CALLING | SPECIES / SEX / | CONTENTS |
|---------------|---|---|-----------------------------|--|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |

| | | | | |
|------|-----------------------|---|-----|-----------------|
| 2000 | HOTEL SPRING | P | N/A | No NSO Response |
| | GOLD MINE | P | N/A | No NSO Response |
| | DEAD HORSE | P | N/A | No NSO Response |
| | WHITE OAK | P | N/A | No NSO Response |
| | SCHOOL SLIDE | P | N/A | No NSO Response |
| | RIDGE BELOW LONE PINE | P | N/A | No NSO Response |
| TO | POND | P | N/A | No NSO Response |
| | FT. ROSS ROAD GATE | P | N/A | No NSO Response |
| | LONE PINE PLATATION | P | N/A | No NSO Response |
| | SHEEP BARN SITE | P | N/A | No NSO Response |
| | RACE TRACK | P | N/A | No NSO Response |
| | BACK 40 | p | N/A | No NSO Response |
| | BUCKEYE SPRING | P | N/A | No NSO Response |
| 2400 | 4 CORNERS | p | N/A | No NSO Response |

Field Survey for Northern Spotted Owl-Berry Family- 2001 Calls #7, 8, 9

GENERAL LOCATION County: **Sonoma** Quad Name: Cazadero (7.5 Min & NAD 27) Section 17,20,21, T8N, R11W DFG

TERRITORY NO. NONE KNOWN OBSERVERS: JIM BERRY CALL #7

HABITAT: **Douglas Fir, Redwood, Oregon White oak, Black Oak, Live Oak, California Laurel, Big leaf Maple, Madrone, Long Beard Lichen,**

Sword Fern DATE @ START 25 July 2001 START TIME (2400 clock): 2123 END TIME: 2233 TOTAL TIME: 70

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME | LOCATION | CALLING | SPECIES / SEX | CONTENTS |
|---------------|---|---|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |
| 2123 | Ft. Ross Road steel gate | P (A) | N/A | No NSO Response quiet |
| 2140 | Pepperwood Landing-Planted Rwd. | P (B) | N/A | No NSO Response quiet |
| 2155 | Lone Pine Pond | P (C) | N/A | No NSO Response quiet |
| 2210 | Dead Horse Springs | P (D) | N/A | No NSO Response quiet |
| 2223 | | P (E) | N/A | No NSO Response high pitched night insev |

DATE @ START 6 August 2001 CALL # 8 OBSERVERS JIM BERRY, KAITLY BERRY

START TIME (2400 clock): 2118 END TIME: 2311 TOTAL TIME: 113

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|---------------------------------|-------|-----|--|
| 2118 | Pine plantation | P (A) | N/A | No NSO Response crickets 78 degrees F |
| 2150 | Ft. Ross Road steel gate | P (B) | N/A | No NSO Response crickets 67 degrees F |
| 2207 | Pepperwood Landing-Planted Rwd. | P (C) | N/A | No NSO Response 62 degrees Screech Owl |
| 2225 | Lone Pine Pond | P (D) | N/A | No NSO Response Pygmy Owl |
| 2243 | Dead Horse Springs | P (E) | N/A | No NSO Response |
| 2301 | | | | No NSO Response camny crickets |

DATE @ START 15 August 2001 CALL # 9 OBSERVERS Jim Berry

START TIME (2400 clock): 2116 END TIME: 2251 TOTAL TIME: 95

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|------|---------------------------------|-------|-----|--|
| 2116 | Pine plantation | P (A) | N/A | No NSO Response 68 degrees F |
| 2136 | Ft. Ross Road steel gate | P (B) | N/A | No NSO Response 64 degrees F |
| 2149 | Pepperwood Landing-Planted Rwd. | P (C) | N/A | No NSO Response 62 degrees Screech Owl |
| 2203 | Lone Pine Pond | P (D) | N/A | No NSO Response 63 degrees |
| 2220 | Dead Horse Springs | P (E) | N/A | No NSO Response |
| 2241 | | | | No NSO Response camny crickets |

Field Survey for Northern Spotted Owl-Berry Family-2005, Calls 10.11,12

NTMP OBSERVER : JIM BERRY Call #10 DFG TERRITORY NO. NSO 0102SON Lat. 38.5439099 Long. 123.1108154

GENERAL LOCATION County Sonoma Quad Name: Cazadero (7.5 Min & NAD 27)_ Sections 17, 20.21, T8N, R11W

DATE @ START 3 August 2005 START TIME (2400 clock): 2118 END TIME: 2229 TOTAL TIME: 71

HABITAT: **Douglas Fir, Redwood, Oregon White oak, Black Oak, Live Oak, California Laurel, Big leaf Maple, Madrone, Long Beard Lichen**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME | LOCATION | CALLING | SPECIES / SEX / | CONTENTS |
|---------------|---|---|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |
| 2118 | Pine plantation | P (A) | N/A | No NSO Response One loud squawk 60 F |
| 2133 | Ward Creek View | P (B) | N/A | No NSO Response crickets 61 degrees F |
| 2148 | Lone Pine Pond | P (C) | N/A | No NSO Response 56 degrees |
| 2205 | Dead Horse Springs | P (D) | N/A | No NSO Response 53 degrees night bugs |
| 2219 | Gold Mine | P (E) | N/A | No NSO Response 54 degrees |

DATE @ START 19 August 2005 CALL # 11 OBSERVER JIM BERRY

START TIME (2400 clock): 2115 END TIME: 2303 TOTAL TIME: 118

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|------|--------------------|-------|-----|---------------------------------------|
| 2115 | Pine plantation | P (A) | N/A | No NSO Response One loud squawk 60 F |
| 2130 | Ward Creek View | P (B) | N/A | No NSO Response crickets 61 degrees F |
| 2145 | Lone Pine Pond | P (C) | N/A | No NSO Response 56 degrees |
| 2204 | Dead Horse Springs | P (D) | N/A | No NSO Response 53 degrees night bugs |
| 2220 | Gold Mine | P (E) | | No NSO Response 54 degrees |
| 2253 | Ft. Ross Road | | | No NSO Response in NSO direction |

DATE @ START 29 August 2005 CALL # 12 OBSERVER Jim Berry

START TIME (2400 clock): 2122 END TIME: 2242 TOTAL TIME: 80

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|--------------------|-------|-----|---|
| 2122 | Pine plantation | P (A) | N/A | No NSO Response loud crickets 69 deg. F |
| 2141 | Ward Creek View | P (B) | N/A | No NSO Response crickets 66 degrees F |
| 2156 | Lone Pine Pond | P (C) | N/A | No NSO Response 68 degrees crickets |
| 2211 | Dead Horse Springs | P (D) | N/A | No NSO Response 67 degrees Screech Owl |
| 2232 | Gold Mine | P (E) | N/A | No NSO Response 67 degrees |

Northern Spotted Owl Field Survey-Berry Family-2006 Calls 13, 14, 15

NTMP pending DFG TERRITORY NO. NSO 0102SON Lat. 38.5439099 Long. 123.1108154 OBSERVER: JIM BERRY Call #13

GENERAL LOCATION County Sonoma Quad Name: Cazadero (7.5 Min & NAD 27) Sections 17, 20.21, T8N, R11W

DATE @ START 7 February 2006 START TIME (2400 clock): 2118 END TIME: 2229 TOTAL TIME: 71

HABITAT: **Douglas Fir, Redwood, Oregon White oak, Black Oak, Live Oak, California Laurel, Big leaf Maple, Madrone, Long Beard Lichen**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------|---|--|--|--|
| 2118 | Pine plantation | P (A) | N/A | No NSO Response One loud squawk 61 F |
| 2133 | Ward Creek View | P (B) | N/A | No NSO Response crickets 60 degrees F |
| 2148 | Lone Pine Pond | P ©) | N/A | No NSO Response 60 degrees |
| 2205 | Dead Horse Springs | P (D) | N/A | No NSO Response |
| 2219 | Gold Mine | P (E) | N/A | No NSO Response 55. degrees |

DATE @ START 15 July 2006 CALL # 14 OBSERVER JIM BERRY Kaity Berry

START TIME (2400 clock): 2140 END TIME: 2343 TOTAL TIME: 123

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

84 degrees at first two stations. Hottest night temperature with positive call in 17 years

| | | | | |
|------|---------------------------------|-------|-----|---------------------------------------|
| 2140 | Pine plantation | P (A) | V | NSO Response from male due N 12 calls |
| 2204 | Ward Creek View | P (B) | V | male NSO for 2 minutes down canyon W |
| 2230 | Ft. Ross Road | P ©) | V | Male NSO-14 calls |
| 2255 | Doctor's well and pole overlook | P (D) | V | MALE & FEMALE & WHISTLE AT |
| 2319 | Lone Pine Pond | P (E) | N/A | WARD CR. |
| 2333 | Dead Horse Springs | | N/A | No NSO Response Quiet as a morgue |

DATE @ START 30 July 2006 CALL # 15 OBSERVERS Jim Berry Kaity Berry

START TIME (2400 clock): 2143 END TIME: 2311 TOTAL TIME: 98

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|------|--------------------|-------|-------|-------------------------------------|
| 2143 | Pine plantation | P (A) | N/A | No NSO response |
| 2200 | Ward Creek View | P (B) | V & O | MALE NSO Response 15 calls in 3' DF |
| 2243 | Lone Pine Pond | P C) | N/A | MALE NSO Response in large DF crown |
| 2301 | Dead Horse Springs | P (D) | N/A | No NSO Response |

NSO Activity Center SON 0102 on Little Oat Creek

31 August 2006 by Jim Berry

On August 31, 2006, Jim Berry made an attempt to establish the activity center for the Ward Creek Northern Spotted owl pair. The story had begun some two years before when Jim had engaged the two in an off season dual at Lone Pine Pond without trying the normal U.S. Fish and Wildlife protocol. They had left the area to head down for Ward Creek. No response had been made in the 2001 series of calls but a positive response had been made in 2005 again. On August 19, 2005 at the Ward Creek Viewpoint, a male NSO was heard about ½ mile NE near Ward Creek. At 2139, the NSO male fired up.. He had responded at minute 9 out of the 10 minute call and kept calling for several minutes. He did not change location. Jim heard 3 Great Horned Owl calls from this station at the same time. The temperature was 58 degrees F.

On July 15, 2006 at Lone Pine Plantation a male fired up just below Jim and Kaity Berry in a canyon. He called 13 times while Kaity and Jim voice called. Kaity insisted that the tape was bad and that our voices were better. The next station was Ward Creek Viewpoint and the male NSO persisted his call farther down the same small canyon at 2204 hours. The temperature was 84 degrees F. which is the hottest positive night response Jim had experienced in 17 years of pursuit of the NSO. We realized we needed to detour from our usual stations and follow the male to a landing farther down near Fort Ross Road. He called from this new location 14 times. We followed the retreating male to a vantage point at a doctor's well and power pole. We resumed voice calls and heard both the male and female calls with locational whistles (at 2304 hours) across the north side of Ward Creek.

On July 30, 2006, Jim and Kaity voice called a male from the Ward Creek Viewpoint. We called from 2200 to 2225. The male was quite agitated and called 12 times from west of us. Kaity was calling on her back on top of the 4-wheel drive and saw the male fly over top of her. He then called 10 more times from east of us. He called from high in the canopy of a large Douglas Fir and could not be seen. The next station was Lone Pine Pond and he called to us from a large dense crowned Douglas Fir near the pond. There was

no female response. The Dead Horse Springs was quiet as a morgue in contrast. The temperature was 69 degrees F.

All contacts and topographic analysis pointed to an activity center north of Ward Creek. The action day was August 31, 2006. In order to establish the activity center, Jim planned a solo venture into rugged Ward Creek. The area had to be approached during daylight because the creek sides were very steep and the bed was endless large boulders. Jim found his way about 500 feet north of Ward Creek and waited for darkness. The stand is dense and darkness fell at 2030. The lonely voice call was interrupted after 4 minutes by a very angry female NSO. She called with intensity for 5 minutes. After 5 minutes the male arrived and called for 5 minutes. He came down to check me out from 40 feet up in a tanoak. I put my flashlight on him. He soon left the scene and chewed me out from high in the canopy and out of sight. After 5 minutes he apparently concluded that this was the same knucklehead who had disturbed his hunting before and he skipped out to leave the female to fend for herself. The female kept up a loud and persistent squawking for 15 minutes more (to 2055). Jim tried to determine nesting status by use of the locational whistle. The female calls reached a crescendo as she finally began to add the locational whistle at the end of her squawk. Finally the calls reached a fever pitch with the whistle at the end and suddenly she slipped off into the cool night to join her mate in search of rodents. No responding whistle from young could be heard from a different location. The contrasting quiet was dramatic. The trip down Ward Creek to the exit point was harrowing and difficult to find. It was a minor miracle that Jim was not injured in the dark in search of the Northern Spotted Owl.

End of 2006 Report

Field Survey for Northern Spotted Owl–Berry Family-2007, Calls 16,17,18

LANDOWNER **Berry Family** NTMP OBSERVER: **JIM BERRY** DFG TERRITORY NO. **NSO 0102 SON Lat. 38.5439099 Long.**

123.1108154 Call #16 GENERAL LOCATION County **Sonoma** Quad Name: **Cazadero** (7.5 Min **& NAD 27**) Section **17, T8N, R11W**

DATE @ START **30 June 2007** START TIME (2400 clock): **2140** END TIME: **2344** TOTAL TIME: **124**

HABITAT: Douglas Fir, Redwood, Oregon White oak, Black Oak, Live Oak, California Laurel, Big leaf Maple, Madrone, Long Beard Lichen

WEATHER (In yellow): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze no

| TIME | LOCATION | CALLING METH. | SPECIES / SEX | CONTENTS |
|---------------|---|---|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | Leap Frog = LF 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 c |
| 2140 | Pine plantation | P (A) | N/A | No NSO Response One loud squawk 61 F |
| 2155 | Ward Creek View | P (B) | N/A | No NSO Response crickets |
| 2211 | Lone Pine Pond | P (C) | N/A | No NSO Response |
| 2226 | Dead Horse Springs | P (D) | N/A | No NSO Response |
| 2243 | Gold Mine | P (E) | N/A | No NSO Response |
| 2300 | Elmo's Heart Pond | | | No NSO Response Bull frogs talk back |
| 2334 | Buckeye Flat | | | No NSO Response |

DATE @ START **8 July 2007** CALL # **17** OBSERVER **JIM BERRY Joyce Berry**

START TIME (2400 clock): **2242** END TIME: **0031** TOTAL TIME: **109**

WEATHER (In yellow): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze no

| | | | | |
|------|--------------------|---|-----|---------------------------------------|
| 2242 | Pine plantation | P | N?A | No NSO Response One loud squawk 61 F |
| 2256 | Ward Creek View | P | V | NSO Response male then female at 2308 |
| 23`8 | Lone Pine Pond | P | V | MALE NSO Response for 10 minutes |
| 2333 | Dead Horse Springs | P | V | MALE NSO Response for 6 minutes |
| 2348 | Gold Mine Pond | P | N/A | No NSO Response |
| 0007 | Elmo's heart Pond | | N/A | No NSO Response |
| 0021 | Buckeye Flat | | | No NSO Response |

DATE @ START **5 August 2007** CALL # **18** OBSERVERS **Jim Berry Kaity Berry**

START TIME (2400 clock): **2143** END TIME: **2311** TOTAL TIME: **70**

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze

| | | | | |
|------|-----------------|---|-----|-----------------------------------|
| 2143 | Pine plantation | P | N/A | No NSO response |
| 2200 | Ward Creek View | P | V | Jim and Kaity voice call MALE NSO |
| 2243 | Lone Pine Pond | P | N/A | No NSO Response |
| 2301 | Dead Horse | | | No NSO Response 53 degrees |

Field Survey for Northern Spotted Owl-Berry Family-2008 Calls 19,20,21

LANDOWNER **Berry Family** NTMP Call #19 OBSERVER: **JIM BERRY** DFG TERRITORY NO. **NSO 0102 SON**

GENERAL LOCATION County **Sonoma** Quad Name: **Cazadero** (7.5 Min & NAD 27) **Section 17, T8N, R11W**

DATE @ START 15 May 2008 START TIME (2400 clock): **2123** END TIME: **2258** TOTAL TIME: **99**

HABITAT: Douglas Fir, Redwood, White oak, Black Oak, Live Oak, California Laurel, Tanoak, Big leaf Maple, Madrone, Long Beard Lichen

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| TIME | LOCATION | CALLING METHOD | SPECIES / SEX | CONTENTS |
|---------------|---|---|------------------------------|--|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | Leap Frog = LF 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., change in weather/wind) |
| 2123 | Pine plantation | Point | N/A | No NSO Response sawwhett 10 minutes+ |
| 2141 | Ward Creek View | | | No NSO Response sawwhett 30 minutes |
| 2230 | Lone Pine Pond | | | No NSO Response bull & tree frogs |
| 2248 | Dead Horse Springs | | | No NSO Response very quiet |

DATE @ START **20 July 2008** CALL # **20** OBSERVER **JIM BERRY Kaity Berry**

START TIME (2400 clock): **2134** END TIME: **2303** TOTAL TIME: **87**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|---------------------------|---|-----|---------------------------------------|
| 2134 | Pine plantation | P | V | NSO male at 2141- 1/4 mi.- Mohrhardt |
| 2148 | Ward Creek-Mohrhardt View | P | V | NSO male (intense) from 2148 to 2156 |
| 2202 | Lone Pine Pond | P | N/A | No NSO Response frog croaked |
| 2217 | Dead Horse Springs | P | N/A | No NSO Response |
| 2231 | Gold Mine | P | N/A | No NSO Response |
| 2253 | 3 corners | P | N/A | No NSO Response breezy in fog |

DATE @ START **4 August 2008** CALL # **21** OBSERVERS **Jim Berry Kaity Berry**

START TIME (2400 clock): **2122** END TIME: **2242** TOTAL TIME: **80**

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| | | | | |
|------|-----------------|---|-----|--|
| 2122 | Pine plantation | P | N/A | No NSO response-- Screech at 2124 |
| 2140 | Ward Creek View | P | V | MALE NSO called 16 times between 2147 & 2205 excited female 200' to N- male called from 200' N. Distant male paused long enough to fly across Ward |

| | | | | |
|------|--------------------|---|---|--|
| 2218 | Lone Pine Pond | P | V | Creek Pygmy and Screech answered 2 males are dueling at 2218. Near ,male &female follow us to pond with female doing locationwhistle NSO Response-10 locational whistles from |
| 2232 | Dead Horse Springs | P | V | 2234-2241 |

Field Survey for Northern Spotted Owl-Berry Family-2009 Calls 22,23,24

LANDOWNER **Berry Family** NTMP DFG TERRITORY NO. NSO 0102 SON Call #22 OBSERVERS: **JIM, JOYCE, KAITY BERRY**

GENERAL LOCATION County Sonoma Quad Name: Cazadero (7.5 Min &NAD 27) Section 17, T8N, R11W

DATE @ START 9 March 2009 START TIME (2400 clock): 2033 END TIME: 2141 TOTAL TIME: 68

HABITAT: **Douglas Fir, Redwood, White oak, Black Oak, Live Oak, California Laurel, Tanoak, Big leaf Maple, Madrone, Long Beard Lichen**

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME | LOCATION | CALLING | SPECIES / SEX | CONTENTS |
|---------------|--|--|-----------------------------|--|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METH. Leap Frog = LF 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) |
| 2033 | Pine plantation (Lone Pine0 | P | N/A | No NSO Response |
| 2103 | Ward Creek View | P | N/A | No NSO Response Sawwhett at 2104..... |
| 2116 | Lone Pine Pond | P | N/A | No NSO Response |
| 2131 | Dead Horse Springs | P | N/A | No NSO Response |

DATE @ START 23 May 2009 CALL # 23 OBSERVER JIM BERRY

START TIME (2400 clock): 2125 END TIME: 2324 TOTAL TIME: 119

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-----------------------------|---|-----|-----------------------------------|
| 2025 | back 40 near Swallow Rock | P | N/A | NO NSO RESP. squawk-wings at 2135 |
| 2041 | back 40 near 3 corners | P | N/A | NO NSO RESPONSE |
| 2202 | Pine plantation (Lone Pine) | P | N/A | No NSO RESPONSE |
| 2225 | Ward Creek-Mohrhardt View | P | N/A | No NSO RESPONSE |
| 2241 | Lone Pine Pond | P | V | MALE NSO RESPONSE for 20 minutes |
| 2314 | Dead Horse Springs | P | N/A | NO NSO RESPONSE |

DATE @ START 22 August 2009 CALL # 24 OBSERVERS **Jim Berry Kaity Berry** (both voice calling)

START TIME (2400 clock): 2141 END TIME: 2314 TOTAL TIME: 93

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|------|---------------------------|---|-----|------------------------------|
| 2141 | back 40 near Swallow Rock | P | N/A | NO NSO RESPONSE SCREECH 2146 |
| 2155 | back 40 near 3 corners | P | N/A | NO NSO RESPONSE |

| | | | | |
|------|-----------------------------|---|-----|------------------------------------|
| 2214 | Pine plantation (Lone Pine) | P | N/A | FEMALE NSO RESPONSE @ 2221 |
| 2230 | Ward Creek-Mohrhardt View | P | N/A | NO NSO RESPONSE |
| 2245 | Lone Pine Pond | P | N/A | NO NSO RESPONSE SCREECH (df SLASH) |
| 2304 | Dead Horse Springs | P | N/A | NO NSO RESPONSE GREAT HORNED |

Field Survey for Northern Spotted Owl-Berry Family-2010 Calls 25,26,27

LANDOWNER **Berry Family** NTMP DFG TERRITORY NO. NSO 0102 SON Call #25 OBSERVERS: **JIM, JOYCE, KAITY BERRY**

GENERAL LOCATION County Sonoma Quad Name: Cazadero (7.5 Min & NAD 27) Section 17,20,21; T8N, R11W

DATE: **6 April 2010** START TIME (2400 clock): 2104 END TIME: 2243 TOTAL TIME: 99

HABITAT: **Douglas Fir, Redwood, White oak, Black Oak, Live Oak, California Laurel, Tanoak, Big leaf Maple, Madrone, Long Beard Lichen**

WEATHER: (in yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME | LOCATION | CALLING | SPECIES / SEX | CONTENTS |
|---------------|---|--|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METH. Leap Frog = LF 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) |
| 2104 | back 40 near "swallow rock" | P | N/A | No NSO Response |
| 2121 | 3 corners | P | N/A | No NSO Response |
| 2147 | Pine plantation (Lone Pine0 | P | N/A | No NSO Response |
| 2201 | Ward Creek View | P | N/A | No NSO Response |
| 2216 | Lone Pine Pond | P | N/A | No NSO Response |
| 2233 | Dead Horse Springs | P | N/A | No NSO Response-Screech owl |

DATE @ START 26 April 2010 CALL # 26 OBSERVER **JIM BERRY (BEST NIGHT IN 22 YEARS OF OWL CALLING)**

START TIME (2400 clock): 2020 END TIME: 2214 TOTAL TIME: 114

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|-------------|------------------------------------|----------|------------|---|
| <u>2020</u> | <u>back 40 near Swallow Rock</u> | <u>P</u> | <u>N/A</u> | <u>NO NSO SCREECH PAIR BEI GATE</u> |
| <u>2035</u> | <u>back 40 near 3 corners</u> | <u>P</u> | <u>N/A</u> | <u>NO NSO-GREAT HORNED PAIR</u> |
| <u>2118</u> | <u>Pine plantation (Lone Pine)</u> | <u>P</u> | <u>N/A</u> | <u>FEMALE NSO RESPONSE</u> |
| <u>2135</u> | <u>Ward Creek-Mohrhardt View</u> | <u>P</u> | <u>N/A</u> | <u>No NSO RESPONSE-SAWWHET</u> |
| <u>2150</u> | <u>Lone Pine Pond</u> | <u>P</u> | <u>V</u> | <u>MALE NSO RESPONSE AT 2154</u> |
| <u>2204</u> | <u>Dead Horse Springs</u> | <u>P</u> | <u>N/A</u> | <u>MALE NSO RESPONSE-100' UP- INVISIBLE</u> |

CALL # 27 OBSERVERS **Jim Berry**

DATE @ START 21 August 2010 START TIME (2400 clock): 2130 END TIME: 2304 TOTAL TIME: 94

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|------|---------------------------|---|-----|---------------------------------|
| 2130 | back 40 near Swallow Rock | P | N/A | NO NSO RESPONSE SCREECH, rattle |
| 2144 | back 40 near 3 corners | P | N/A | NO NSO RESPONSE SCREECH |

| | | | | |
|------|-----------------------------|---|-----|------------------------------|
| 2203 | Pine plantation (Lone Pine) | P | N/A | NO NSO RESPONSE-FEM. SCREECH |
| 2220 | Ward Creek-Mohrhardt View | P | N/A | NO NSO RESPONSE |
| 2237 | Lone Pine Pond | P | N/A | NO NSO RESPONSE |
| 2254 | Dead Horse Springs | P | N/A | NO NSO RESPONSE-SCREECH OWL |

Field Survey for Northern Spotted Owl-Berry Family-2011 Calls 28,29,30

LANDOWNER **Berry Family** NTMP DFG TERRITORY NO. NSO 0102 SON Call #28 OBSERVERS: **JIM BERRY**

GENERAL LOCATION County **Sonoma** Quad Name: **Cazadero** (7.5 Min & **NAD 27**) Section **17,20,21; T8N, R11W**

HABITAT: Douglas Fir, Redwood, White oak, Black Oak, Live Oak, California Laurel, Tanoak, Big leaf Maple, Madrone, Long Beard Lichen

DATE: 27 June 2011 START TIME (2400 clock): **2150** END TIME: **2358** TOTAL TIME: **128**

WEATHER:(bold underlined) **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze

| TIME | LOCATION | CALLING | SPECIES / SEX | CONTENTS |
|---------------|---|--|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METH. Leap Frog = LF 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) |
| 2150 | back 40 near "swallow rock" | P | N/A | No NSO Response |
| 2203 | 3 corners | P | N/A | No NSO Response breeze and night bugs |
| 2246 | Pine plantation (Lone Pine0 | P | N/A | No NSO Response-- dead quiet |
| 2300 | Ward Creek View | P | V | Male NSO 2306 from Lone Pine Pond |
| 2316 | Lone Pine Pond | P | V | Male NSO Response, bull and tree frog |
| 2331 | Dead Horse Springs | P | V | Male NSO Response from Lone Pine |
| 2348 | Gold Mine Pond | P | N/A | No NSO Response-Yellow-legged frog |

CALL # **29** OBSERVER **JIM BERRY**

DATE @ START **9 July 2011** START TIME (2400 clock): **2235** END TIME: **0016** TOTAL TIME: **101**

WEATHER (In yellow): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze no

| | | | | |
|------|-----------------------------|---|-----|---------------------------------|
| 2235 | back 40 near Swallow Rock | P | N/A | NO NSO RESPONSE |
| 2249 | back 40 near 3 corners | P | N/A | NO NSO RESPONSE |
| 2308 | Pine plantation (Lone Pine) | P | N/A | NO NSO RESPONSE SCREECH AT 2315 |
| 2324 | Ward Creek-Mohrhardt View | P | N/A | NO NSO RESPONSE-PYGMY PAIR 2315 |
| 2338 | Lone Pine Pond | P | N/A | NO NSO RESPONSE -BULLFROGS |
| 2352 | Dead Horse Springs | P | N/A | NO NSO RESPONSE |
| 0006 | Gold Mine Pond | P | N/A | NO NSO RESPONSE-TREE FROGS |

DATE @ START **18 August 2011** CALL # **30** OBSERVERS **Jim Berry**

START TIME (2400 clock): **2144** END TIME: **2357** TOTAL TIME: **133**

WEATHER : **clear** cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): **calm** breeze

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|

| | | | | |
|------|-----------------------------|---|-----|---------------------------------|
| 2144 | back 40 near Swallow Rock | P | N/A | NO NSO RESPONSE LOUD CRICKETS |
| 2157 | back 40 near 3 corners | P | N/A | NO NSO RESPONSE SCREECH AT 2159 |
| 2249 | Pine plantation (Lone Pine) | P | N/A | NO NSO RESP.PAIR SCREECH 2253 |
| 2302 | Ward Creek-Mohrhardt View | P | N/A | NO NSO RESPONSE |
| 2317 | Lone Pine Pond | P | N/A | NO NSO RESPONSE- BULLFROGS |
| 2332 | Dead Horse Springs | P | N/A | NO NSO RESPONSE-SCREECH OWL |
| 2347 | Gold Mine Pond | P | N/A | NO NSO RESPONSE-CRICKETS |

NSO REPORT-19 AUGUST 2011- A MALE NSO CALLED FROM GOLD MINE AREA AND WAS HEARD BY JOYCE BERRY AND THEN JIM BERRY. JIM CALLED SEVERAL TIMES WITH NSO RESPONSE. JIM THEN WENT UP BEI-BERRY RANCH ROAD THROUGH RACE TRACK TO LONE PINE-MOHRHARDT VIEW AND CALLED WITH NO RESPONSE AT 2145. JIM NEXT CALLED AT LONE PINE POND TOWARD GOLD MINE. FEMALE NSO CALLED FROM RIDGE AND THEN NEXT TO LONE PINE POND. THE MALE SOON JOINED HER. AFTER NO RESPONSE BY JIM, THEY HEADED BACK TOWARD WARD CREEK ACTIVITY CENTER. THE MALE WENT QUIET AND LET FEMALE GO BACK TOWARD WARD CREEK.

AUGUST 2, 2011-MALE NSO CALLED FROM GOLD MINE AT 2300. JARED, JOYCE AND JIM CALLED FOR ABOUT ONE HOUR AND MALE CALLED 3 AND 4 NOTE CALLS FREQUENTLY FOR ENTIRE TIME.

Field Survey for Northern Spotted Owl-Berry Family-2012 calls 31,32,33

LANDOWNER Berry Family NTMP DFG TERRITORY NO. NSO 0102 SON Call #31 OBSERVERS: JIM BERRY

GENERAL LOCATION County Sonoma Quad Name: Cazadero 7.5 Min & NAD 27 Section 17,20,21; T8N, R11W

DATE: 8April 2012 START TIME (2400 clock): 2031 END TIME: 2240 TOTAL TIME: 129

HABITAT: Douglas Fir, Rwd, Oregon White oak, Black Oak, Live Oak, California Laurel, Tanoak, Big leaf Maple, Madrone, Long Beard Lichen

DATE: 4/8/12 WEATHER:(bold underlined) clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME | LOCATION | CALLING | SPECIES / SEX | CONTENTS |
|---------------|---|--|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METH. Leap Frog = LF 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) |
| 2031 | back 40 near "swallow rock" | P | N/A | No NSO Response |
| 2045 | 3 corners | P | N/A | No NSO Response |
| 2113 | Pine plantation (Lone Pine) | P | N/A | No NSO Response |
| 2132 | Ward Creek View | P | N/A | NO NSO Response |
| 2349 | Lone Pine Pond | P | N/A | NO NSO Response |
| 2122 | Dead Horse Springs | P | N/A | NO NSO Response-Sawwhet 2220 |
| 2230 | Gold Mine Pond | P | N/A | No NSO Response Screech 2232 |

DATE @ START 11 May 2012 CALL # 32 OBSERVER JIM BERRY

_START TIME (2400 clock): 2125 END TIME: 2311 TOTAL TIME: 106

WEATHER : clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-----------------------------|---|-----|---|
| 2125 | back 40 near Swallow Rock | P | N/A | NO NSO RESPONSE-Screech 2131-Caz, mus. |
| 2140 | back 40 near 3 corners | P | N/A | NO NSO RESPONSE-Sawwhet at 2145 |
| 2202 | Pine plantation (Lone Pine) | P | N/A | NO NSO RESPONSE-Several unident. Noises |
| 2221 | Ward Creek-Mohrhardt View | P | N/A | NO NSO RESPONSE-COYOTE PACK 2123 |
| 2237 | Lone Pine Pond | P | V | MALE NSO RESPONSE 2147-2157-bullfrog |
| 2301 | Dead Horse Springs | P | V | MALE NSO RESPONSE IN CIRCLE |

DATE @ START 27 August 2012 CALL # 33 OBSERVERS Jim Berry

START TIME (2400 clock): 2120 END TIME: 2302 TOTAL TIME: 102

WEATHER : clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|------|-----------------------------|---|-----|--|
| 2120 | back 40 near Swallow Rock | P | N/A | NO NSO RESPONSE NIGHT BUG NOISE |
| 2132 | back 40 near 3 corners | P | N/A | NO NSO RESPONSE- DOGS |
| 2255 | Pine plantation (Lone Pine) | P | N/A | NO NSO RESPONSE |
| 2210 | Ward Creek-Mohrhardt View | P | N/A | NO NSO RESPONSE- LOUD CRICKETS |
| 2234 | Lone Pine Pond | P | N/A | NO NSO RESPONSE-BULLFROG |
| 2238 | Dead Horse Springs | P | N/A | GRUNTS |
| 2252 | Gold Mine Pond | P | N/A | NO NSO RESPONSE-LOUD CRICKETS MALE NSO RESP. (JOYCE BERRY PLAYING WITH ME FROM HOME) |

Field Survey for Northern Spotted Owl-Berry Family-2013 calls 34,35,36

LANDOWNER Berry Family NTMP DFG TERRITORY NO. NSO 0102 SON Call #34 OBSERVERS: JIM BERRY

GENERAL LOCATION County Sonoma Quad Name: Cazadero (7.5 Min & NAD 27) Section 17,20,21; T8N, R11W

DATE: 23 March 2013 START TIME (2400 clock): 2114 END TIME: 2320 TOTAL TIME: 126

HABITAT: Douglas Fir, Rwd, Oregon White oak, Black Oak, Live Oak, California Laurel, Tanoak, Big leaf Maple, Madrone, Long Beard

WEATHER:(bold) clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze

| TIME | LOCATION | CALLING | SPECIES / SEX | CONTENTS |
|---------------|---|--|-------------------------------------|--|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METH. Leap Frog = LF 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) |
| 2114 | back 40 near "swallow rock" | P | N/A | No NSO Response |
| 2157 | 3 corners | P | N/A | No NSO Response |
| 2215 | Pine plantation (Lone Pine0 | P | N/A | No NSO Response coyote 2218 to 2223 |
| 2230 | Ward Creek View | P | N/A | NO NSO Response screech pair 2230 |
| 2243 | Lone Pine Pond | P | N/A | NO NSO Response |
| 2310 | Dead Horse Springs | P | N/A | NO NSO Response |

DATE @ START 21 April 2013 CALL # 35 OBSERVER JIM BERRY

START TIME (2400 clock): 2125 END TIME: 2311 TOTAL TIME: 106

WEATHER : clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-----------------------------|---|-----|---------------------------------|
| 2100 | back 40 near Swallow Rock | P | N/A | NO NSO RESPONSE-Screech 2105 |
| 2119 | back 40 near 3 corners | P | N/A | NO NSO RESPONSE-screech at 2119 |
| 2140 | Pine plantation (Lone Pine) | P | N/A | NO NSO RESPONSE |
| 2154 | Ward Creek-Mohrhardt View | P | N/A | NO NSO RESPONSE screech @2158 |
| 2213 | Lone Pine Pond | P | N/A | NO NSO RESPONSE-screech@2213 |
| 2227 | Dead Horse Springs | P | N/A | NO NSO RESPONSE |
| 2242 | Gold Mine Pond | P | N/A | NO NSO RESONSE TREE FROGS |

DATE @ START 15 July 2013 CALL # 36 OBSERVERS Jim Berry

START TIME (2400 clock): 2140 END TIME: 2340 TOTAL TIME: 120

WEATHER : clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| | | | | |
|-------|-----------------------------|---|-----|--------------------------------|
| 2140 | back 40 near Swallow Rock | P | N/A | NO NSO RESPONSE SCREECH |
| 2153 | back 40 near 3 corners | P | N/A | NO NSO RESPONSE- DOGS |
| 2212 | Pine plantation (Lone Pine) | P | N/A | NO NSO RESPONSE |
| 22247 | Ward Creek-Mohrhardt View | P | N/A | NO NSO RESPONSE- LOUD CRICKETS |
| 2303 | Lone Pine Pond | P | N/A | NO NSO RESPONSE |
| 2317 | Dead Horse Springs | P | N/A | NO NSO RESPONSE |

| | | | | |
|------|----------------|---|-----|-----------------|
| 2330 | Gold Mine Pond | P | N/A | NO NSO RESPONSE |
|------|----------------|---|-----|-----------------|

NORTHERN SPOTTED OWL SURVEY Willig NTMP Timber Production Zone-2009 Call #1 & 2

Quad Name: Duncans Mills 7.5 Min Yes LANDOWNER Berry NTMP PENDING DFG TERRITORY NO. 0004, 0049

0068 SON GENERAL LOCATION: Sheephouse Creek and Muniz Rancho (SEE MAP)

OBSERVERS: MIKE ALLRED DATE @ START MAY 16 AND 18 (Call 1), 13 July 2009

START TIME (2400 clock): 2010 END TIME: 0000 & 2205 TOTAL TIME: 230 + 175 + 200 = 585

HABITAT: Redwood, Douglas Fir, Tanoak, California laurel, Big leaf maple, Madrone, Coast live oak, Long Beard Lichen All slope directions with deep shade and high canopy. Most grasslands on adjacent land.

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/ |
|------|--|---|---|--|
| | <u>16, May 2009</u> CLEAR AND CALM | | | 52 DEGREES F |
| 2010 | WILLIG -NTMP-SHEEPHOUSE #1 | P | N/A | NO NSO RESPONSE |
| 2025 | WILLIG -NTMP-SHEEPHOUSE #2 | P | N/A | NO NSO RESPONSE OSPREY CALL |
| 2050 | WILLIG -NTMP-SHEEPHOUSE #3 | P | N/A | NO NSO RESPONSE |
| 2110 | WILLIG -NTMP-SHEEPHOUSE #34 | P | N/A | No NSO RESPONSE SAWWHETT OWL |
| 2130 | LIBERTY VIEW #5 | P | N/A | NO NSO RESPONSE HWY 116 NOISE |
| 2155 | PLANTATION #6 | P | N/A | NO NSO RESPONSE |
| 2215 | MUNIZ BOUNDARY #7 | p | N/A | NO NSO RESPONSE |
| 2240 | MUNIZ BOUNDARY #8 | p | N/A | NO NSO RESPONSE |
| 2310 | MUNIZ BOUNDARY-LIGHTNING TREE #9 | p | N/A | NO NSO RESPONSE |
| 2330 | ZIGADENE RIDGE #10 | p | N/A | NO NSO RESPONSE |
| 2350 | ZIGADENE RIDGE -PRAIRIE #11 | p | N/A | NO NSO RESPONSE |
| | <u>MAY 18, 2009</u> | | | CLEAR AND 58 DEGREES F |
| 2010 | 36 " CULVERT-W. WILLIG #22 | p | N/A | NO NSO RESPONSE |
| 2125 | SWITCHBACK #21 | p | N/A | NO NSO RESPONSE |
| 2140 | HOG WALLOW #30 | p | N/A | NO NSO RESPONSE |
| 2055 | PRAIRIE #30A | p | N/A | NO NSO RESPONSE |
| 2110 | ZIGADENE RIDGE #12 | p | N/A | NO NSO RESPONSE |
| 2125 | ZIGADENE RIDGE #13 | p | N/A | NO NSO RESPONSE |
| 2140 | ZIGADENE RIDGE #14 | p | N/A | NO NSO RESPONSE |

| | | | | |
|------|-----------------------------------|---|-----|-----------------|
| 2155 | ZIGADENE-JENNER RD.FORK #15 | p | N/A | NO NSO RESPONSE |
| | 13 July 2009 | | | |
| 2050 | JENNER CREEK RD.#20 | P | N/A | NO NSO RESPONSE |
| 2110 | JENNER CREEK RD.#19 | P | N/A | NO NSO RESPONSE |
| 2130 | JENNER CREEK RD.#18 | P | N/A | NO NSO RESPONSE |
| 2150 | JENNER CREEK RD.#17 | P | N/A | NO NSO RESPONSE |
| 2210 | JENNER CREEK RD.#16 | P | N/A | NO NSO RESPONSE |
| 2235 | RIVER VIEW #31 | P | N/A | NO NSO RESPONSE |
| 2255 | MARHAM OVERLOOK #32 | P | N/A | NO NSO RESPONSE |
| 2310 | END OF FENCE #33 | P | N/A | NO NSO RESPONSE |
| 2335 | BIG ROCK ON RD ON SAWMILL GL. #34 | P | N/A | NO NSO RESPONSE |
| 2350 | FORMER POND #34A | P | N/A | NO NSO RESPONSE |

NORTHERN SPOTTED OWL SURVEY Willig NTMP 2009 Call #1

LANDOWNER **Berry** NTMP **PENDING** DFG TERRITORY NO. 0004, 0049 0060 SON

GENERAL LOCATION: **Sheephouse Creek and Muniz Rancho (SEE MAP)** Quad Name: **Duncans Mills** (7.5 Min & NAD 27) **All slope**

directions with. Most grasslands on adjacent land.

OBSERVERS: MIKE ALLRED

DATE @ START MAY 16 AND 18, JULY 13, 2009

START TIME (2400 clock): 2010 END TIME: 0000 & 2205 TOTAL TIME: 230 + 175 + 200 = 585

HABITAT: **Redwood, Douglas Fir, Tanoak, California laurel, Big leaf maple, Madrone,, Long Beard Lichen deep shade and high canopy**

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME | LOCATION | CALLING | SPECIES / | CONTENTS |
|---------------|---|---|--|--|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = 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/ |
| | May 16, 2009 CLEAR AND CALM | | | 52 DEGREES F |
| 2010 | WILLIG -NTMP-SHEEPHOUSE #1 | P | N/A | NO NSO RESPONSE |
| 2025 | WILLIG -NTMP-SHEEPHOUSE #2 | P | N/A | NO NSO RESPONSE OSPREY CALL |
| 2050 | WILLIG -NTMP-SHEEPHOUSE #3 | P | N/A | NO NSO RESPONSE |
| 2110 | WILLIG -NTMP-SHEEPHOUSE #34 | P | N/A | No NSO RESPONSE SAWWHETT OWL |
| 2130 | LIBERTY VIEW #5 | P | N/A | NO NSO RESPONSE HWY 116 NOISE |
| 2155 | PLANTATION #6 | P | N/A | NO NSO RESPONSE |
| 2215 | MUNIZ BOUNDARY #7 | p | N/A | NO NSO RESPONSE |
| 2240 | MUNIZ BOUNDARY #8 | p | N/A | NO NSO RESPONSE |
| 2310 | MUNIZ BOUNDARY-LIGHTNING | p | N/A | NO NSO RESPONSE |
| 2330 | TREE #9 | p | N/A | NO NSO RESPONSE |
| 2350 | ZIGADENE RIDGE #10 | p | N/A | NO NSO RESPONSE |
| | ZIGADENE RIDGE -PRAIRIE #11 | | | CLEAR AND 58 DEGREES F |
| 2010 | MAY 18, 2009 | p | N/A | NO NSO RESPONSE |
| 2125 | 36 " CULVERT-W. WILLIG #22 | p | N/A | NO NSO RESPONSE |
| 2140 | SWITCHBACK #21 | p | N/A | NO NSO RESPONSE |
| 2055 | HOG WALLOW #30 | p | N/A | NO NSO RESPONSE |
| 2110 | PRAIRIE #30A | p | N/A | NO NSO RESPONSE |
| 2125 | ZIGADENE RIDGE #12 | p | N/A | NO NSO RESPONSE |

| | | | | |
|------|-------------------------------|---|-----|-----------------|
| 2140 | ZIGADENE RIDGE #13 | p | N/A | NO NSO RESPONSE |
| 2155 | ZIGADENE RIDGE #14 | p | N/A | NO NSO RESPONSE |
| | ZIGADENE-JENNER RD.FORK #15 | | | |
| 2050 | JULY 13, 2009 | P | N/A | NO NSO RESPONSE |
| 2110 | JENNER CREEK RD.#20 | P | N/A | NO NSO RESPONSE |
| 2130 | JENNER CREEK RD.#19 | P | N/A | NO NSO RESPONSE |
| 2150 | JENNER CREEK RD.#18 | P | N/A | NO NSO RESPONSE |
| 2210 | JENNER CREEK RD.#17 | P | N/A | NO NSO RESPONSE |
| 2235 | JENNER CREEK RD.#16 | P | N/A | NO NSO RESPONSE |
| 2255 | RIVER VIEW #31 | P | N/A | NO NSO RESPONSE |
| 2310 | MARHAM OVERLOOK #32 | P | N/A | NO NSO RESPONSE |
| 2335 | END OF FENCE #33 | P | N/A | NO NSO RESPONSE |
| 2350 | BIG ROCK ON RD ON SAWMILL GL. | P | N/A | NO NSO RESPONSE |
| | #34 | | | |
| | FORMER POND #34A | | | |

Date: July 6, 2012
Reference: THP #1-06-172 SON
Thompson THP–new sighting
Latitude =38.5381696N Longitude=123.0114449W

Leslie Markham/Wendy Snyder
Calfire
135 Ridgway Ave.
Santa Rosa, CA 95401

Dear Mr. Mc Iver:

We would like to request technical assistance for determination of NSO Take / No-Take for the above THP for 2012. DFG and USFW have data dating to 1989. I have all the THP NSO data filed or completed for NSO 015. NSO 0015 SON was first called by Wooster on December 31, 1989 and December 30, 1990 off the Pedroia property. It was first sighted on the Pedroia property by Wooster-Berry-Pedroia-Gardner on February 11, 1991.

I requested abandonment (from Ken Hoffman) for NSO 0015 SON in 2006 due to no response from calling for THP's 1-97-094 SON, 1-00-090 SON, and 1-06-172 SON, a total of 36 calls. We requested and received TA in 2006. We also have requested and received TA in 2008. In addition, a total of 39 calls have been made for THP 1-06-172 SON out of an abundance of caution even though there was no response. We got our first response on June 23, 2012 after at least 16 years of NSO quiet. Humanly speaking, this is a busy and noisy neighborhood and this new NSO area is 500 feet from 24 hour Occidental Road Please refer to the THP map for tentative location. Also see the habitat table. We have included the records for all 39 calls done for this THP.

We believe the DFG data base is inactive so may not be helpful since most data we have sent to Sacramento in the last 6 years has not been entered in the database. Our best data source has been foresters and biologists in that time.

. Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Phone calls may be directed to Jim Berry at (707) 632-5280.

In search of the Northern Spotted Owl in Sonoma County each year since 1989,

James M. Berry

NORTHERN SPOTTED OWL SURVEY-SHEEHOUSE 2009 Call #1 & 2

LANDOWNER **Berry NTMP PENDING** DFG TERRITORY NO. 0004, 0049, 0068 SON CALL # 2 OBSERVER MIKE ALLRED

GENERAL LOCATION: **Sheephouse Creek and Muniz Rancho (SEE MAP)** Quad Name: Duncans Mills 7.5 Min Yes

DATE @ START 7 & 12 August 2009 START TIME (2400 clock): 2045 AND 2010 END TIME: 2345 AND 0145 TOTAL TIME:

170+275=445

HABITAT: **Redwood, Douglas Fir, Tanoak, California Laurel, Big leaf Maple, Madrone, Coast live oak, Red alder, Long Beard lichen**

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| TIME | LOCATION | CALLING | SPECIES / SEX / | CONTENTS |
|---------------|---|---|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |
| | AUGUST 7, 2009 | | | AUGUST 7, 2009-CLEAR-CALM |
| 2045 | SHEEPHOUSE #1 | P | N/A | NO NSO RESPONSE |
| 2100 | SHEEPHOUSE #2 | P | N/A | NO NSO RESPONSE |
| 2115 | SHEEPHOUSE #3 | P | N/A | NO NSO RESPONSE |
| 2130 | SHEEPHOUSE #4 | P | N/A | NO NSO RESPONSE |
| 2145 | PLANTATION #6 | P | N/A | NO NSO RESPONSE |
| 2200 | PLANTATION #6 | P | N/A | NO NSO RESPONSE |
| 2215 | ROAD TO MUNIZ BOUNDARY #7 | p | N/A | NO NSO RESPONSE |
| 2230 | MUNIZ BOUNDARY #8 | p | N/A | NO NSO RESPONSE |
| 2245 | MUNIZ BOUNDARY LIGHTNING | p | V | MALE NSO RESPONSE FROM RIDGE ABOVE |
| 2315 | TREE #9 | p | V | MUNIZ |
| 2335 | ZIGIDENE RIDGE #10 | p | N/A | MALE NSO RESPONSE |
| | ZIGIDENE RIDGE #11 | | | NO NSO RESPONSE |
| 2010 | AUGUST 12, 2009 | p | N/A | AUGUST 12, 2009 |
| 2035 | 36" CULVERT ON WEST WILLIG #22 | p | N/A | NO NSO RESPONSE |
| 2055 | WEST WILLIG SWITCHBACK LAND. | p | N/A | NO NSO RESPONSE |
| 2110 | #21A | p | N/A | NO NSO RESPONSE |
| 2125 | HOG WALLOW #21B | p | N/A | NO NSO RESPONSE |
| 2140 | PRAIRIE #21 | p | N/A | NO NSO RESPONSE |
| 2155 | ZIGIDENE RIDGE #12 | p | N/A | NO NSO RESPONSE |
| 2210 | ZIGIDENE RIDGE #13 | p | N/A | NO NSO RESPONSE |
| 2225 | ZIGIDENE RIDGE #14 | p | N/A | NO NSO RESPONSE SCREECH OWL CALL |

| | | | | |
|------|----------------------|---|-----|--------------------------------|
| 2245 | ZIGIDENE RIDGE #15 | p | N/A | NO NSO RESPONSE |
| 2300 | JENNER GULCH #20 | P | N/A | NO NSO RESPONSE |
| 2315 | JENNER GULCH #19 | p | N/A | NO NSO RESPONSE |
| 2335 | JENNER GULCH #18 | p | N/A | NO NSO RESPONSE |
| 2350 | JENNER GULCH #17 | p | N/A | NO NSO RESPONSE BREAKERS NOISE |
| 0010 | WIRE GATE #16 | P | N/A | NO NSO RESPONSE |
| 0025 | RIVER VIEW #31 | P | N/A | NO NSO RESPONSE MANN'S DOGS |
| 0045 | MARKHAM OVERLOOK #32 | p | N/A | NO NSO RESPONSE |
| | END RD. ALONG FENCE | | | NO NSO RESPONSE |
| | BIG ROCK ON SAWMILL | | | |
| | GL.TRUCK RD. | | | |

NORTHERN SPOTTED OWL SURVEY Willig NTMP 2009 CALL # 3 DFG TERRITORY NO. 0004, 0049, 0068 SON OBSERVER: Mike

Allred

LANDOWNER Berry NTMP PENDING DFG TERRITORY NO. 0004, 0048

0060 SON GENERAL LOCATION: Sheephouse Creek and Muniz Rancho (SEE MAP)

Quad Name: Duncans Mills 7.5 Min Yes All slope directions represented with deep shade and high canopy.

DATE @ START August 29-30, 2009

START TIME (2400 clock): 2010 & 2015 END TIME: 2340 & 0210 TOTAL TIME: 210 +350=560

HABITAT: Redwood, Douglas Fir, Tanoak, California laurel, Big leaf Maple, Madrone, Coast live oak, Red alder, Long Beard Lichen

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze

| TIME | LOCATION (mileage, legal location of rd/ trail or landmark, direction of travel) | CALLING METHOD Leap Frog = LF Point = P Cruise = C | SPECIES / SEX / VOCAL (V) or OBSV (O) | CONTENTS (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
|------|--|--|---|---|
| | AUGUST 29, 2009 | | | AUGUST 29, 2009-CLEAR-CALM |
| 2010 | SHEEPHOUSE #1 | P | N/A | NO NSO RESPONSE |
| 2030 | SHEEPHOUSE #2 | P | N/A | NO NSO RESPONSE |
| 2050 | SHEEPHOUSE #3 | P | N/A | NO NSO RESPONSE |
| 2115 | SHEEPHOUSE #4 | P | N/A | NO NSO RESPONSE |
| 2130 | PLANTATION #6 | P | N/A | NO NSO RESPONSE |

| | | | | |
|------|--------------------------------|---|-----|----------------------------------|
| 2155 | PLANTATION #6 | P | N/A | NO NSO RESPONSE |
| 2210 | ROAD TO MUNIZ BOUNDARY #7 | p | N/A | NO NSO RESPONSE |
| 2225 | MUNIZ BOUNDARY #8 | p | N/A | NO NSO RESPONSE |
| 2245 | MUNIZ BOUNDARY LIGHTNING TREE | p | V | NO NSO RESPONSE SCREECH OWL CALL |
| 2310 | #9 | p | V | NO NSO RESPONSE |
| 2330 | ZIGIDENE RIDGE #10 | p | N/A | NO NSO RESPONSE |
| | ZIGIDENE RIDGE #11 | | | |
| | | | | AUGUST 30, 2009 CLEAR AND CALM |
| 2015 | AUGUST 30, 2009 | p | N/A | NO NSO RESPONSE |
| 2035 | 36" CULVERT ON WEST WILLIG #22 | p | N/A | NO NSO RESPONSE |
| 2055 | WEST WILLIG SWITCHBACK LAND. | p | N/A | NO NSO RESPONSE |
| 2110 | #21A | p | N/A | NO NSO RESPONSE |
| 2125 | HOG WALLOW #21B | p | N/A | NO NSO RESPONSE |
| 2140 | PRAIRIE #21 | p | N/A | NO NSO RESPONSE |
| 2155 | ZIGIDENE RIDGE #12 | p | N/A | NO NSO RESPONSE |
| 2210 | ZIGIDENE RIDGE #13 | p | N/A | NO NSO RESPONSE SCREECH OWL CALL |
| 2225 | ZIGIDENE RIDGE #14 | p | N/A | NO NSO RESPONSE |
| 2245 | WIRE GATE #15 | p | N/A | NO NSO RESPONSE |
| 2300 | JENNER GULCH #16 | P | N/A | NO NSO RESPONSE |
| 2315 | JENNER GULCH #17 | p | N/A | NO NSO RESPONSE |
| 0020 | JENNER GULCH #18 | p | N/A | NO NSO RESPONSE BREAKERS NOISE |
| 0045 | JENNER GULCH #19 | p | N/A | NO NSO RESPONSE |
| 0100 | JENNER GULCH #20 | P | N/A | NO NSO RESPONSE MANN'S DOGS |
| 0115 | MARKHAM OVERLOOK #32 | P | N/A | NO NSO RESPONSE |
| 0135 | END RD. ALONG FENCE #33 | p | N/A | NO NSO RESPONSE |
| 0200 | BIG ROCK ON SAWMILL GL. RD.#34 | p | N/A | NO NSO RESPONSE |
| | FORMER POND #34A | | | |
| | RIVER VIEW #31 | | | |

Northern Spotted Owl Vegetative Habitat Acreage from Map Markham's Overlook

| AREA | 0.7 mile radius-985 acres | 1.3 mile-3398 acres |
|--|---------------------------|---------------------|
| NON-HABITAT | | |
| GRASS | 474ac. | 130 |
| RIVER | 55 | 288 |
| BRUSH | 103 | 166 |
| URBAN | 22 | 66 |
| MARSH | 10 | 40 |
| TOTAL | 664 | 1869 |
| NESTING-ROOSTING-FORAGING BEFORE AND AFTER HARVEST | | |
| FOREST | 331 | 1559 |

Parmeter

Northern Spotted Owl Vegetative Habitat Acreage from Map

| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
|--|---------------------------|---------------------|
| NON-HABITAT | | |
| GRASS | 65ac. | 452ac. |
| CREEK | 35ac. | 62ac. |
| BRUSH | 0 | 0 |
| URBAN | 70ac. | 120ac. |
| MARSH | 0 | 0 |
| TOTAL | 170ac. | 634ac. |
| NESTING-ROOSTING-FORAGING --BEFORE AND AFTER HARVEST | | |
| FOREST | 815ac.(83%) | 2764ac. (81%) |

Northern Spotted Owl 061-Austin Creek-Sonoma County

Northern Spotted Owl Vegetative Habitat Acreage from Map

| | | |
|-------------|---------------------------|---------------------|
| AREA | 0.7 mile radius-985 acres | 1.3 mile-3398 acres |
| NON-HABITAT | | |
| | | |

| | | |
|-----------------------------------|----------------|-----------------|
| GRASS | 100ac. | 548ac. |
| CREEK | 35ac. | 62ac. |
| BRUSH | 0 | 46ac. |
| URBAN | 70ac. | 120ac. |
| MARSH | 0 | 0 |
| TOTAL | 205ac. (20.8%) | 776ac. (22.8%) |
| NESTING-ROOSTING-FORAGING | | |
| CONIFEROUS -HARDWOOD FOREST | 780ac. (80.2%) | 2622ac. (77.2%) |

Acreages calculated by Maptech as plotted by Jim Berry

Northern Spotted Owl Vegetative Habitat Acreage from Map

Berry Family Timber Production Zone

| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
|---|------------------------------|------------------------------|
| NON-HABITAT | | |
| GRASS | 168 (16 fields@10.5ac.ave) | 489 (41 fields@12ac.ave.) |
| RIVER | not significant | not significant |
| BRUSH | part of forest-field ecotone | part of forest-field ecotone |
| URBAN | not significant | not significant |
| MARSH | None | None |
| NESTING-ROOSTING-FORAGING ---BEFORE AND AFTER HARVEST | | |
| FOREST | 657ac. | 2741ac. |

Complex intergrade of conifer and hardwood forest mixed with grassy fields may sometimes

be Oak Woodland with a brush influence along the ecotone margins. Some of the smaller fields have closed over since 1978. Ward Creek NSO's have many watercourse "runways" for good foraging efficiency. An upper Ward Creek NSO pair is possible following habitat recovery from the 1978 Creighton Ridge Wildfire. This wildfire was stand replacing for most of the area up Ward Creek from the 1.3 mile radius circle. JMB

Northern Spotted Owl Vegetative Habitat Acreage from Maps

Thompson THP

| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
|--------------------|---------------------------|-------------------------|
| NON-HABITAT | | |
| GRASS | 37,35,33,11,10,7,7,6 | 388,271,176,67,51,27,15 |

| | | |
|--|------------------------------------|----------------------------------|
| | 146 acres (16.3%) | (995 acres 29.2%) |
| WATER | NONE | 6 (3 ponds) |
| BRUSH | Incidental to orchard, grass, for. | Incidental on ecotones |
| URBAN | NONE | 31 (0.9%) |
| MARSH | NONE | NONE |
| HABITAT (Nesting, Roosting, Forage) | | |
| FOREST | 404,46 (450 acres-50.2%) | 1465, 588 (2118 acres -62.3%) |

ECOTONE FORAGE

| | | |
|----------|-------------------|--------------------------------|
| ORCHARD | 87,74,62,49,21,6 | 271,39,28,11,18,51,61,28,67,14 |
| VINEYARD | 299 acres (33.4%) | (588 acres-17.3%) |

Habitat Description

The orchard within the 895 and 3398 acre areas represent mostly historic forest area converted from 75 to 125 years ago. Forest and grassland are the largest blocks of vegetation types. There are historic grasslands which represented the primary reason that the first owners of Spanish-Mexican land grant who did the original required homesteading. It is not clear which grass areas are historic and which have been cleared for grazing or

orchard 75 to 125 years ago. Currently it is a complex mosaic of forest, grassland with brush or forest creeping into it and abandoned orchard with decaying old apple and cherry trees. A small % has been changed to vineyard. Northern Spotted Owls (and all predators) may use the forest, field and orchard edges or ecotones for forage. Most of the forest is 75-125 years old and has dense canopy which exceeds the 60% cover. Except for new houses built in the last 40 years, the vegetation-soil types seem to be creeping towards their natural and pre-historic tendencies. The only new areas taken out of forest in the last 50 years has been small openings for houses.

Data Received from CDF in October, 2005

Northern Spotted Owl Vegetative Habitat Acreage from Map

Chadwick NTMP

| AREA | 0.7 mile radius-895 acres | 1.3 mile radius-3398 acres |
|-------------|---------------------------|---|
| NON-HABITAT | | |
| GRASS | 25,23, 17, 16, 9=90 ac. | 72, 62, 43, 18,18, 17, 14, 6, 6, 5, 5, 4, 3, 2=189 ac. |
| OCEAN | NONE | 43 |
| | | |

| | | |
|---|--------------------------|------------------------|
| COAST (salt) SCRUB | NONE | 103 |
| URBAN | NOT SIGNIFICANT | NOT SIGNIFICANT |
| MARSH | NOT SIGNIFICANT | NOT SIGNIFICANT |
| VINEYARD | NONE | 51 |
| HWY. 1 | NONE | 11 |
| PONDS | 1/4ac.sag, Rosson 1/2ac? | 2 3/4 (two ponds +sag) |
| NESTING- ROOSTING- FORAGE-BEFORE & AFTER NTMP | | |
| FOREST | 802ac. (89.6 %) | 2998ac. (88.2%) |

NORTHERN SPOTTED OWL DATABASE Recorded Observation Information Request

To: Gordon Gould

1416 9th St.,

Sacramento, CA 95814

REQUESTOR:

Name: Loren M. Berry

Address: P.O. Box 90, Cazadero, CA 95421

PHONE: (707) 632-5280

LOCATION: Thompson Timber Harvest Plan near Occidental

PRIMARY COUNTY: SONOMA

LEGAL DESCRIPTION OF PLAN AREA AND SECTIONS WITHIN 1.5 MILES:

TOWNSHIP 6 NORTH, RANGE 10 WEST, SECTIONS 1,2,3

TOWNSHIP 6 NORTH, RANGE 9 NORTH, SECTION 6

TOWNSHIP 7 NORTH, RANGE 10 WEST, SECTIONS 34,35,36

TOWNSHIP 7 NORTH, RANGE 9 NORTH, SECTION 31

ATTACHED IS A MAP SHOWING THE LOCATION OF POTENTIAL OPERATIONS TAKEN FROM THE CAMP MEEKER

USGS TOPOGRAPHIC QUADRANGLE

SIGNATURE OF RPF #1193: _____

California Dept. of Fish and Game use only

DATE RECEIVED: _____ DATE RESPONSE MAILED: _____

REQUEST ID NUMBER: _____

NORTHERN SPOTTED OWL DATABASE

Recorded Observation Information Request

To: Gordon Gould (retired in 2010?)

1416 9th St.,

Sacramento, CA 95814

REQUESTOR:Name: Loren M. Berry, Address: P.O. Box 90, Cazadero, CA 95421

PHONE: (707) 632-5280

LOCATION: Mesa Grande Timber Harvest Plan near Monte Rio

PRIMARY COUNTY: SONOMA

LEGAL DESCRIPTION OF PLAN AREA AND SECTIONS WITHIN 1.5 MILES:

\TOWNSHIP 7 NORTH, RANGE 10 WEST, SECTIONS 6,7,18,19

TOWNSHIP 7 NORTH, RANGE 11 NORTH, SECTION 1,2,11, 12,13,14

ATTACHED IS A MAP SHOWING THE LOCATION OF POTENTIAL OPERATIONS TAKEN FROM THE DUNCANS MILLS

AND CAMP MEEKER USGS TOPOGRAPHIC QUADRANGLES

SIGNATURE OF RPF #1193: _____

California Dept. of Fish and Game use only

DATE RECEIVED: _____ DATE RESPONSE MAILED: _____

REQUEST ID NUMBER: _____



NORTHERN SPOTTED OWL FIELD SURVEY Mesa Grande Gulch 2009 Calls #1,2,3

LANDOWNER: BERRY-HURWITZ TERRITORY NO. SON0060 (1992 PHOTOS & CALLS-see Roger Day calls) OBSERVERS Jim Berry & Mike Allred

GENERAL LOCATION Sheridan Gulch COUNTY Sonoma Quad Name _Duncan's Mills (7.5 Min & NAD 27) T7N, R11W, Sections 11,12

DATE @ START 27 April 2009 START TIME (2400 clock): 2059 END TIME: 2250 TOTAL TIME: 101

HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, BAY, ALDER, Huckleberry)- Physiographic Province: Redwood Coast

WEATHER (BOLD): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm **breeze** no-----

| TIME | LOCATION | CALLING METHOD | SPECIES / SEX / VOCAL (V) OBSV (O) | CONTENTS |
|------------|---|---|------------------------------------|--|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | Leap Frog = LF Point = P Cruise = C | | (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., change in weather/wind) |
| 2059 | 36" culvert at Sheridan Gulch | Lat 38.4634663 | V female | 33 calls from female NSO-Hwy 116 noise |
| 2116 | Boundary Landing on Ridge | Long. 123.0329224 | | No NSO Response-Hwy. 116 noise |
| 2136 | Casini-Sweetwater corner | P | | No NSO Response distant dog barking |
| 2155 | 7 Acre CFIP project | P | | No NSO Response-One loud squawk |
| 2217 | Harrison Gulch | P | | No NSO Response- Hwy 116 noise |
| 2240 | Rocky Point | P | | No NSO Response |

DATE @ START 2 July 2009 OBSERVERS Jim Berry & Mike Allred CALL #2

START TIME (2400 clock): 2135 END TIME: 2 315 TOTAL TIME: 100

WEATHER (bold): clear cloudy **light/rain** heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|-------------------------------|---|--|-------------------------------------|
| 2135 | 36" culvert at Sheridan Gulch | P | | NO NSO Response |
| 2155 | Boundary Landing on Ridge | P | | No NSO Response- Hwy. 116 noise |
| 2226 | 7 Acre CFIP project | P | | No NSO Response distant dog barking |
| 2245 | Harrison Gulch | P | | No NSO Response-One loud squawk |
| 2305 | Rocky Point | P | | No NSO Response- Hwy 116 noise |

DATE @ START 21 August 2009 OBSERVERS: Jim Berry and Mike Allred CALL #3

START TIME (2400 clock): 20-43 END TIME: 22 36 TOTAL TIME: 113

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-------------------------------|-------------------|-----|--|
| 2043 | 36" culvert at Sheridan Gulch | Lat 38.4634663 | V&O | female NSO-Hwy 116 noise begin 2047 |
| 2109 | Boundary Landing on Ridge | Long. 123.0329224 | | with loud shriek and wing flapping-noise |
| 2127 | 7 Acre CFIP project | | | stopped when caught by flashlight |
| 2145 | Harrison Gulch | | | No NSO Response- Hwy. 116 noise |
| 2205 | Rocky Point 36" culvert at | P | | No NSO Response distant dog barking |
| 2226 | Sheridan Gulch | P | | No NSO Response-One loud squawk |
| | | | | No NSO Response- Hwy 116 noise |

Northern Spotted Owl Field Survey Mesa Grande 2010 Calls 4,5,6

Call #4 (CURRENT SERIES) LANDOWNER: BERRY-HURWITZ DFG TERRITORY NO: NSO SON 0060 OBSERVERS: Jim Berry
 GENERAL NSO LOCATION: Sheridan Gulch Lat. Quad Name _Duncan's Mills COUNTY Sonoma T- 7N R- 11W SECS. 11, 12
 DATE @ START: 6 May 2010 START TIME: (2400 clock): 2058 END TIME: 2311 TOTAL TIME: 133
 HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, BAY, ALDER, Huckleberry-- Physiographic Province: Redwood Coast
 WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no-----

| TIME | LOCATION | CALLING METHOD | SPECIES / SEX / VOCAL (V) OBSV (O) | CONTENTS |
|---------------|--|---|------------------------------------|--|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | Leap Frog = LF Point = P Cruise = C | | (legal location of owl(s), compass & distance to owl(s) from observer's location, misc. owl info., other observations, or change in weather/wind) |
| 2058 | 36" culvert at Sheridan Gulch | P | | No NSO Response-NSO SON 0060 A. Cent |
| 2201 | Boundary Landing on Ridge | P | | No NSO Response-Hwy 116 noise |
| 2231 | 7 Acre CFIP project | P | | No NSO Response Hwy 116 noise |
| 2247 | Harrison Gulch | P | | No NSO Response- Hwy 116 noise |
| 2301 | Rocky Point | P | | No NSO Response Hwy 116 noise |

DATE @ START: 4 June 2010 OBSERVERS : Jim Berry CALL #5 START TIME (2400 clock): 2147 END TIME: 0002 TOTAL TIME: 135

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-------------------------------|---|--|---------------------------------|
| 2147 | 36" culvert at Sheridan Gulch | P | | No NSO Response-NSO SON 0060 AC |
| 2209 | Boundary Landing on Ridge | P | | No NSO Response- Hwy. 116 noise |
| 2240 | Rocky Point | P | | No NSO Response Hwy 116 noise |
| 2330 | 7 Acre CFIP project | P | | No NSO Response Hwy 116 noise |
| 2352 | Harrison Gulch | P | | No NSO Response- Hwy 116 noise |

DATE @ START: 14 Aug. 2010 OBSERVERS Jim Berry CALL #6 START TIME (2400 clock): 2105 END TIME: 2312 TOTAL TIME: 127

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (In yellow): calm breeze no

| | | | | |
|------|-------------------------------|---|--|--------------------------------------|
| 2105 | 36" culvert at Sheridan Gulch | P | | No NSO Response-NSO SON 0060 Act. C. |
| 2118 | Boundary Landing on Ridge | P | | No NSO Response- Hwy. 116 noise |
| 2220 | 7 Acre CFIP project | P | | No NSO Response |
| 2235 | Harrison Gulch | P | | No NSO Response-night insect noise |
| 2302 | Rocky Point | P | | No NSO Response- Hwy 116 noise |

Northern Spotted Owl Field Survey Mesa Grande 2011 Calls 7,8,9

LANDOWNER: BERRY-HURWITZ DFG TERRITORY NO: NSO0060 SON Call #7 OBSERVERS: Jim Berry

GENERAL LOCATION Sheridan Gulch Quad Name _Duncan's Mills COUNTY Sonoma T 7N R 11W SECS. 11, 12

DATE @ START: 26 April 2011 START TIME: (2400 clock): 2150 END TIME: 2200 TOTAL TIME: 27

HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, BAY, Huckleberry)- Physiographic Province: Redwood Coast

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no-----

| TIME | LOCATION | CALLING METHOD | SPECIES / | CONTENTS |
|--------------------|---|---|--------------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | Leap Frog = LF Point = P Cruise = C | SEX / VOCAL (V) 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) |
| 2150 to 2200 | 36" culvert at Sheridan Gulch no other stations called due to positive response | P P | V | Female NSO Response-NSO SON 0060 at Activity Center She used territorial call, excited call and other variations, (2202-2217) No male NSO response |

DATE @ START 14 July 2011 CALL #8 START TIME (2400 clock): 2210 END TIME: 2339 TOTAL TIME: 89

OBSERVERS Jim Berry

WEATHER (bold): **clear** cloudy **mist/fog** light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|-------------------------------|---|-----|--|
| 2231 | 36" culvert at Sheridan Gulch | P | N/A | No NSO Resp.-NSO SON 0060 Act. Center |
| 2255 | Boundary Landing on Ridge | P | | No NSO -breezy, fog, moon, Hwy. 116 |
| 2332 | Rocky Point | P | | No NSO Res. breezy in tree tops, Hwy 116 |
| 2350 | 7 Acre CFIP project | P | | No NSO Response Hwy 116 noise |
| 0010 | Harrison Gulch | | | No NSO Response |

DATE @ START 27 July 2011 OBSERVERS CALL START TIME (2400 clock): 2105 END TIME: 2312 TOTAL TIME: 127

Jim Berry Call #15

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------------------------|---|--|--|
| 2231 | 36" culvert at Sheridan Gulch | P | | No NSO Resp.-NSO SON 0060 Act. Center |
| 2255 | Boundary Lnading on Ridge | P | | No NSO Response-fog drip |
| 2332 | Rocky Point | P | | No NSO Response Hwy. 116 |
| 2250 | 7 Acre CFIP project | P | | No NSO Response-coyotes fired up to west |
| 0010 | Harrison Gulch | P | | No NSO Response- Bohemian Hwy. noise |

Northern Spotted Owl Field Survey Mesa Grande 2012 Calls 10,11,12

LANDOWNER: BERRY-HURWITZ DFG TERRITORY NO: NSO 0060 SON OBSERVERS: Jim Berry: Call #10

GENERAL LOCATION: Sheridan Gulch Quad Name _Duncan's Mills COUNTY Sonoma T- 7N R- 11W SECS. 11, 12

DATE @ START: 5 May 2012 START TIME: (2400 clock): 2150 END TIME: 2217 TOTAL TIME: 27

HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, ALDER, Huckleberry, Coyote bush, Modesty)- Physiographic Province: Redwood Coast

WEATHER (bold): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no-----warm--

| TIME | LOCATION | CALLING | SPECIES / SEX / | CONTENTS |
|---------------|---|---|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |
| 2143 | 36" culvert at Sheridan Gulch | P | | No NSO response |
| 2240 | ridge at landing near former osprey | p | N/A | No NSO response-blocked by SOD stopped 19 times to clear SOD |

DATE @ START 25 August 2012 OBSERVERS Jim Berry CALL #11

START TIME (2400 clock): 2302 END TIME: 0026 TOTAL TIME: 84

WEATHER (In yellow): clear cloudy mist/fog light/rain heavy/rain snow WIND (bold): calm breeze no

| | | | | |
|------|-------------------------------|---|-----|--|
| 2302 | 36" culvert at Sheridan Gulch | P | N/A | No NSO Response-NSO SON 0060 AC |
| 2319 | Boundary Landing on Ridge | P | | No NSO Response-breezy, fog, moon.,116 |
| 2339 | Rocky Point | P | | No NSO Response breezy in tree tops, 116 |
| 2358 | 7 Acre CFIP project | P | | No NSO Response Hwy 116 noise |
| 0016 | | | | |

DATE @ START 31 August 2012 OBSERVERS Jim Berry Call #12

CALL START TIME (2400 clock): 2036 END TIME: 2234 TOTAL TIME: 118

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no full moon

| | | | | |
|------|---------------------------------|---|--|-----------------------------------|
| 2036 | 36" culvert at Sheridan Gulch | P | | No NSO Response-NSO SON 0060 AC |
| 2058 | Boundary Lnading on Mesa Grande | P | | No NSO Response Great Horned 2101 |
| 2121 | Ridge | P | | No NSO Response Great Horned |
| 2138 | Rocky Point | P | | No NSO Response Hwy 116 |
| 2224 | 7 Acre CFIP project | P | | No NSO Response Hwy 116 |

Northern Spotted Owl Field Survey Mesa Grande 2013 Calls 13,14,15

LANDOWNER: BERRY-HURWITZ DFG TERRITORY NO: NSO 0060 SON OBSERVERS: Jim Berry: Call #13

GENERAL LOCATION: Sheridan Gulch Quad Name _Duncan's Mills COUNTY Sonoma T- 7N R- 11W SECS. 11, 12

DATE @ START: 29-30 April 2013 START TIME: (2400 clock): 2130 END TIME: 0003 TOTAL TIME: 153

HABITAT- Mesic (REDWOOD, Douglas Fir, TANOAK, BAY, Huckleberry-- Physiographic Province: Redwood Coast

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm & breeze** no-----warm--

| TIME | LOCATION | CALLING | SPECIES / SEX / | CONTENTS |
|---------------|---|---|-----------------------------|---|
| 2400 clock | (mileage, legal location of rd/ trail or landmark, direction of travel) | METHOD Leap Frog = LF 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) |
| 2130 | 36" culvert at Sheridan Gulch | P | V & O | NSO Male & female 75' up at night then male 50' up during day was preening and unconcerned --no whitewash |
| 2143 | | p | | |
| 2200 | Boundary Landing on Mesa Grande | | | No NSO Response |
| 2301 | Casini Ridge | | | No NSO response |
| 2335 | Rocky Point | | N/A | No NSO Response |
| 2353 | 7 Acre CFIP project 6" culvert at Rocky Point | | | No NSO response |

DATE @ START 10 August 2013 OBSERVERS Jim Berry CALL #14

START TIME (2400 clock): 2302 END TIME: 0026 TOTAL TIME: 84

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no

| | | | | |
|------|-------------------------------|---|-----|--|
| 2302 | 36" culvert at Sheridan Gulch | P | N/A | No NSO Response-NSO SON 0060 AC |
| 2319 | Boundary Landing on Ridge | P | | No NSO Response-breezy, fog, moon,,116 |
| 2339 | Casini ridge top | P | | No NSO Response breezy in tree tops, 116 |
| 2358 | 7 Acre CFIP project | P | | No NSO Response Hwy 116 noise |
| 0016 | Rocky Point | | | |

DATE @ START 31 August 2012 OBSERVERS Jim Berry Call #15

CALL START TIME (2400 clock): 2036 END TIME: 2234 TOTAL TIME: 118

WEATHER (bold): **clear** cloudy mist/fog light/rain heavy/rain snow WIND (bold): **calm** breeze no full moon

| | | | | |
|------|---------------------------------|---|--|-----------------------------------|
| 2036 | 36" culvert at Sheridan Gulch | P | | No NSO Response-NSO SON 0060 AC |
| 2058 | Boundary Landing on Mesa Grande | P | | No NSO Response Great Horned 2101 |
| 2121 | Casini Ridge | P | | No NSO Response Great Horned |
| 2138 | 7 Acre CFIP project | P | | No NSO Response Hwy 116 |
| 2224 | Rocky Point | P | | No NSO Response Hwy 116 |

Date: September 13, 2012

Reference: Zigadene THP 1-12-040 SON

Bill Mc Iver
USFWS NSO Technician
1655 Heindon
Arcata, CA 95521

Dear Mr Mc Iver::

We would like to request technical assistance for determination of NSO Take / No-Take for the above THP for the year 2012. This AC has been monitored since 1992 after documentation by Ted Wooster. This THP is a selective harvest, the same as all THP's on Sheephouse Creek since 1965. Note that all calls from THP 1-08-025 SON may be audible from Zigadene THP and the enclosed NSO station map for both THP's is identical. Enclosed are the calls for 2012 and comprise another check call to determine NSO presence and activity within the THP and watershed. All previous NSO data are on file with Calfire and U. S. Fish and Wildlife. U.S. Fish and Wildlife has provided technical assistance for the years 2008, 2009, 2010 and 2011 for Willig Gulch THP which is the same area surveyed for Zigadene. Twenty-eight previous calls by Mike Allred and Jim Berry are on file with Calfire and U.S. Fish and Wildlife. Three calls for 2012 are enclosed. Please forward this letter and your response to Wendy Snyder at 135 Ridgway, Santa Rosa, CA 95401.

This years calls comprise a "spot check". There continues to be three NSO territories on file within 1.3 miles as shown on the Willig Gulch THP habitat map. Included is NSO database data, habitat maps and habitat tables based on the maps. Attempts to locate NSO 0049 have been unsuccessful and this Activity Center is doubtful as shown and has likely been moved or abandoned. The 0068 female has been confirmed using the same activity center if not the same nesting or central roosting tree in 2010 but not in 2011 or 2012. There has been no Barred owl detections to date near any of these AC's or on Sheephouse Creek.

Within 1-08-025 SON while calling for Zigadene also, (April 7, 2012) a female then male responded from about ½ mile north of the S-turn calling station. When we reached the next station at culvert #11, the pair had arrived at the S-turn and then followed us part way toward culvert #11. After trailing us part way to the former osprey station, they went silent. They were detected briefly from where we had first heard them. We followed up with a 10 minute call at the 0068 Activity Center. We called each of three days during daylight to establish contact with the Activity Center but all was quiet for the second year.

On April 16, 2012, the male was heard from the S-turn briefly calling from Culvert #2. After getting no response from the triangle where we had heard them on April 7, we tried opposite the male response and all was quiet. They seem to be foraging here but not nesting and could be any of the three NSO's or their young. Technical Assistance Letter should be sent to: Jim Berry P.O. Box 94, Cazadero, CA 95421. Normal protocol also

includes a TAC letter to the Resource Manager for CDF in Region 1. Phone calls may be directed to (707) 632-5280 or email jim@cazaderowaterco.com,

In search of the Northern Spotted Owl each year since 1989

James M. Berry

Date: 4 June 2013

Reference: Zigadene THP 1-12-040 SON

Calfire
c/o Wendy Snyder/Bob Motroni
135 Ridgway Ave.
Santa Rosa, CA 94501

Dear Wendy/Bob:

We would like to request technical assistance for determination of NSO Take / No-Take for the above THP for the year 2013. Technical Assistance from U.S.F. & W has been received for the adjacent THP 1-08-025 based on the first three calls. SON0068 has been monitored since 1992 after documentation by Ted Wooster. This THP is a selective harvest, the same as all THP's on Sheephouse Creek since 1965. Note that all calls from THP 1-08-025 SON may be audible from Zigadene THP and the enclosed NSO station map for both THP's is identical. NSO's have been monitored yearly on Willig Gulch since 2001.

Enclosed are the calls for 2013 and comprise another full call to determine NSO presence and activity within the THP and watershed. All previous NSO data are on file with Calfire and U. S. Fish and Wildlife. U.S. Fish and Wildlife has provided technical assistance for the years 2008, 2009, 2010, 2011, 2012 and 2013 for Willig Gulch THP which is a similar area surveyed for Zigadene except that at least two stations have been added (Snyder request). All previous calls (since 2001) by Mike Allred and Jim Berry are on file with Calfire and U.S. Fish and Wildlife. Six calls for 2013 are enclosed. Please forward this letter and your response to Bill Mc Iver at 1655 Heindon, Arcata, CA 95521.

There continues to be three NSO territories on file within 1.3 miles as shown on the Zigadene THP habitat map. Included is NSO database data, habitat maps and habitat tables based on the maps. Attempts to locate NSO 0049 have been unsuccessful and this Activity Center is doubtful as shown and has likely been moved or abandoned. The 0068 female has been confirmed using the same activity center if not the same nesting or central roosting tree in 2010 but not in 2011 or 2012 or 2013.

There has recently been the first known male Barred owl detection on 2 June 2013 on Zigadene Ridge (drainage boundary between Jenner Gulch and Sheephouse Creek) near the NE corner of the above THP. The male Barred owl was typically aggressive and was looking for a chance to strike. We made audible and visual contact including great visual flyover view. A brave male NSO called the entire time I was dueling with the aggressive Barred Owl. The male NSO was about 500' northeast and was almost exactly in the same spot as he had been on 7 April 2012 and 16 April 2012. A pair of NSO's called from above the fork of East and West Willig Gulch (S-turn station) which is about ¼ mile (on 2 June 2013) from where the male NSO was heard later that night. They called briefly. The NSO pair seem to be foraging here but not nesting and could be any of the three adjacent NSO's or their young. The Barred owl is likely to be inhibiting any attempt by the NSO's to nest. TA response should be sent to: jim@cazaderowaterco.com. James M. Berry

NORTHERN SPOTTED OWL DATABASE

Recorded Observation Information Request

To: California Department of Fish and Game

Katrina Valerio

Wildlife Specialist- NSO Database

1807 13th St., Suite 202

Sacramento, CA 95814

REQUESTOR:

Name: Loren M. Berry

Address: P.O. Box 90

Cazadero, CA 95421

PHONE: (707) 632-5280

LOCATION: Parmeter Timber Harvest Plan near Cazadero

PRIMARY COUNTY: SONOMA

LEGAL DESCRIPTION OF PLAN AREA AND SECTIONS WITHIN 1.5 MILES:

T 8 N, R 11 W , SECTIONS 21,22,23,25,26,27,33,34,35

ATTACHED IS A MAP SHOWING THE LOCATION OF POTENTIAL OPERATIONS AND SURROUNDING SECTIONS
TAKEN FROM THE DUNCANS MILLS AND CAZADERO USGS TOPOGRAPHIC QUADRANGLES

SIGNATURE OF RPF #1193: _____

California Dept. of Fish and Game use only

DATE RECEIVED: _____

DATE RESPONSE MAILED: _____

REQUEST ID NUMBER: _____

NORTHERN SPOTTED OWL DATABASE Recorded Observation Information Request

To: Gordon Gould

1416 9th St.,

Sacramento, CA 95814

REQUESTOR:

Name: Loren M. Berry

Address: P.O. Box 90

Cazadero, CA 95421

PHONE: (707) 632-5280

LOCATION: BERRY FAMILY NTMP near Cazadero

PRIMARY COUNTY: SONOMA

LEGAL DESCRIPTION OF PLAN AREA AND SECTIONS WITHIN 1.5 MILES:

T 8 N, R 11 W , SECTIONS 6, 7, 8, 9, 15, 16, 17, 18, 19, 21

ATTACHED IS A MAP SHOWING THE LOCATION OF POTENTIAL OPERATIONS AND SURROUNDING SECTIONS
TAKEN FROM THE DUNCANS MILLS AND CAZADERO USGS TOPOGRAPHIC QUADRANGLES

SIGNATURE OF RPF #1193: _____

California Dept. of Fish and Game use only

DATE RECEIVED: _____

DATE RESPONSE MAILED: _____

REQUEST ID NUMBER: _____

NORTHERN SPOTTED OWL DATABASE

Recorded Observation Information Request

To: Gordon Gould

1416 9th St.,

Sacramento, CA 95814

REQUESTOR:

Name: Loren M. Berry

Address: P.O. Box 90

Cazadero, CA 95421

PHONE: (707) 632-5280

LOCATION: WILLIG GULCH Timber Harvest Plan nearest Jenner

PRIMARY COUNTY: SONOMA

LEGAL DESCRIPTION OF PLAN AREA AND SECTIONS WITHIN 1.5 MILES:

TOWNSHIP 7 NORTH, RANGE 11 NORTH,

SECTIONS 4, 5, 6, 7, 8, 9, 16, 17, 18, 19,20, 21

ATTACHED IS A MAP SHOWING THE LOCATION OF POTENTIAL OPERATIONS TAKEN FROM THE DUNCANS MILLS

USGS TOPOGRAPHIC QUADRANGLE

SIGNATURE OF RPF #1193:_____

California Dept. of Fish and Game use only

DATE RECEIVED:_____

DATE RESPONSE MAILED:_____

REQUEST ID NUMBER:_____

BIOLOGICAL ASSESSMENT AREA TABLE-- WILLIG GULCH THP

Northern Spotted Owl Vegetative Habitat Acreage from Map

| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
|---|------------------------------|---------------------------|
| NON-HABITAT | | |
| GRASS | 203 (22.7%) | 962 (28.3%) |
| RIVER | None | 43 ac.(1.3%) |
| BRUSH | part of forest-field ecotone | 107 (3.1%) |
| URBAN | None | 30 (0.9%) |
| MARSH | Not Significant | 9 (0.2%) |
| TOTAL | 203 ac. (22.7%) | 1148 ac. (33.8%) |
| NON-Hab. | | |
| NESTING-ROOSTING-FORAGING ---BEFORE AND AFTER HARVEST | | |
| FOREST | 692ac.(500 ac. minimum) | 2250ac.(1336 ac. minimum) |

The Biological Assessment Area is a 1.3 mile diameter circle and is 66.2%

forest,28.3% grassland, 3.1% brush, 1.3% Russian River. There are no ponds in the

BAA or THP. The Russian River estuary (with its fresh and saltwater) and associated wetlands, grasslands, brush fields and 3 creek tributaries represent some of the best wildlife habitat in Sonoma County.

BIOLOGICAL ASSESSMENT AREA TABLE FOR NSO SON 0004

Northern Spotted Owl Vegetative Habitat Acreage from Map

| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
|---|---------------------------|----------------------------|
| NON-HABITAT | | |
| GRASS | 69 (7.7%) | 743 (21.9 %) |
| RIVER | None | None |
| BRUSH | Not Significant | Not Significant |
| URBAN | None | None |
| MARSH | Not Significant | Not Significant |
| TOTAL NON-Hab. | 69 (7.7%) | 743 (21.9%) |
| NESTING-ROOSTING-FORAGING ---BEFORE AND AFTER HARVEST | | |
| FOREST | 826ac.(500 ac. minimum) | 2655 ac.(1336 ac. minimum) |

The Biological Assessment Area is a 1.3 mile diameter circle and is 78.1% forest and 21.9 % grassland. The 0.7 mile radius is 92.3% forest and 7.7% grass land. There are no ponds in the BAA or THP. There is no significant brush, urban areas, marsh or cliffs. The southwest quadrant grass lands are mostly coastal headlands with heavy wind and salt influence.

BIOLOGICAL ASSESSMENT AREA TABLE FOR NSO SON 0049

Northern Spotted Owl Vegetative Habitat Acreage from Map

| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
|---|---------------------------|----------------------------|
| NON-HABITAT ACREAGE | | |
| GRASS | 411 | 1044 |
| RIVER | None | 138 |
| BRUSH | 31 | 226 |
| URBAN | 71 | 106 |
| MARSH | Not Significant | 17 |
| OCEAN | None | 93 |
| SAND | None | 57 |
| TOTAL NON-Hab. | 513 | 1681 |
| NESTING-ROOSTING-FORAGING ---BEFORE AND AFTER HARVEST | | |
| FOREST | 382 (500 ac. minimum) | 1717 ac.(1336 ac. minimum) |

The Biological Assessment Area 0.7 mile diameter circle is 45.9 % grassland, no river, 3.5% brush, 7.9% urban, no marsh, no ocean, no sand and 42.7% forest. The non-NSO habitat within 1.3 mile radius is 30.7% grass, 4.1% river, 6.6% brush, 3.1 % urban, 0.5% marsh, 2.7% ocean, 1.6% sand and 50.5% mixed coniferous forest.

There are no ponds in the BAA or THP. The southwest ½ circle grass lands are mostly historic coastal headlands with heavy wind and salt influence. This appears to be poor habitat toward the southwest but good toward the northeast.

BIOLOGICAL ASSESSMENT AREA TABLE FOR NSO SON 0068

Northern Spotted Owl Vegetative Habitat Acreage from Map

| | | |
|---|---------------------------|----------------------------|
| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
| NON-HABITAT ACREAGE | | |
| GRASS | 132 | 577 |
| RIVER | None | 60 |
| BRUSH | 31 | 40 |
| URBAN | None | None |
| MARSH | Not Significant | 6 |
| OCEAN | None | None |
| TOTAL NON-Hab. | 163 | 683 |
| NESTING-ROOSTING-FORAGING ---BEFORE AND AFTER HARVEST | | |
| FOREST | 732 (500 ac. minimum) | 2715 ac.(1336 ac. minimum) |

The Biological Assessment Area for non-habitat is 0.7 mile diameter circle is 14.7 % grassland, no river, 3.5% brush, no urban, no marsh, no ocean, no sand. The NSO habitat is 81.8% forest. The non-NSO habitat within 1.3 mile radius is 16.9 % grass, 1.8% river, 6.6% brush, 3.1 % urban, 0.5% marsh, no ocean. The NSO habitat is 79.9%

mixed coniferous forest. There are no ponds in the BAA or THP.

Northern Spotted Owl Vegetative Habitat Acreage from Map

| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
|---------------------|---------------------------|---------------------|
| NON-HABITAT ACREAGE | | |
| GRASS | 411 | 1044 |
| RIVER | None | 138 |
| BRUSH | 31 | 226 |
| URBAN | 71 | 106 |
| MARSH | Not Significant | 17 |
| OCEAN | None | 93 |
| SAND | None | 57 |
| TOTAL | 513 | 1681 |
| NON-Hab. | | |

| NESTING-ROOSTING-FORAGING ---BEFORE AND AFTER HARVEST | | |
|---|-----------------------|----------------------------|
| FOREST | 382 (500 ac. minimum) | 1717 ac.(1336 ac. minimum) |

The Biological Assessment Area 0.7 mile diameter circle is 45.9 % grassland, no river, 3.5% brush, 7.9% urban, no marsh, no ocean, no sand and 42.7% forest. The non-NSO habitat within 1.3 mile radius is 30.7% grass, 4.1% river, 6.6% brush, 3.1 % urban, 0.5% marsh, 2.7% ocean, 1.6% sand and 50.5% mixed coniferous forest.

There are no ponds in the BAA or THP. The southwest ½ circle grass lands are mostly historic coastal headlands with heavy wind and salt influence. This appears to be poor habitat toward the southwest but good toward the northeast.

BIOLOGICAL ASSESSMENT AREA TABLE FOR NSO SON 0068

Northern Spotted Owl Vegetative Habitat Acreage from Map

| | | |
|---------------------|---------------------------|---------------------|
| AREA | 0.7 mile radius-895 acres | 1.3 mile-3398 acres |
| NON-HABITAT ACREAGE | | |
| | | |

| | | |
|---|-----------------------|----------------------------|
| GRASS | 132 | 577 |
| RIVER | None | 60 |
| BRUSH | 31 | 40 |
| URBAN | None | None |
| MARSH | Not Significant | 6 |
| OCEAN | None | None |
| TOTAL NON-Hab. | 163 | 683 |
| NESTING-ROOSTING-FORAGING ---BEFORE AND AFTER HARVEST | | |
| FOREST | 732 (500 ac. minimum) | 2715 ac.(1336 ac. minimum) |

The Biological Assessment Area for non-habitat is 0.7 mile diameter circle is 14.7 % grassland, no river, 3.5% brush, no urban, no marsh, no ocean, no sand. The NSO habitat is 81.8% forest. The non-NSO habitat within 1.3 mile radius is 16.9 % grass, 1.8% river, 6.6% brush, 3.1 % urban, 0.5% marsh, no ocean. The NSO habitat is 79.9% mixed coniferous forest. There are no ponds in the BAA or THP.

Commissioners
Jim Kellogg, President
Discovery Bay
Michael Sutton, Vice President
Monterey
Daniel W. Richards, Member
Upland
Richard Rogers, Member
Santa Barbara
Jack Baylis, Member
Los Angeles

STATE OF CALIFORNIA
Edmund G. Brown Jr., Governor

Sonke Mastrup, Executive Director
1416 Ninth Street, Room 1320
Sacramento, CA 95814
(916) 653-4899
(916) 653-5040 Fax
www.fgc.ca.gov

Fish and Game Commission



CALIFORNIA FISH AND GAME COMMISSION NOTICE OF RECEIPT OF PETITION

NOTICE IS HEREBY GIVEN that, pursuant to the provisions of Section 2073.3 of the Fish and Game Code, the California Fish and Game Commission, on September 7, 2012 received a petition from the Environmental Protection Information Center to list the northern spotted owl (*Strix occidentalis caurina*) as threatened or endangered under the California Endangered Species Act.

Large areas of older, structurally complex forests provide the habitat necessary to support viable populations of northern spotted owls.

Pursuant to Section 2073 of the Fish and Game Code, on September 10, 2012 the Commission transmitted the petition to the Department of Fish and Game for review pursuant to Section 2073.5 of said code. It is anticipated that the Department's evaluation and recommendation relating to the petition will be received by the Commission at its February, 2013 Commission meeting. Interested parties may contact Dr. Eric Loft, Wildlife Branch, Department of Fish and Game, 1812 Ninth Street, Sacramento, CA 95811, or telephone 916-445-3555 for information on the petition or to submit information to the Department relating to the petitioned species.

September 20, 2012

Fish and Game Commission

Sonke Mastrup
Executive Director

**BEFORE THE STATE OF CALIFORNIA
FISH AND GAME COMMISSION**

**PETITION TO LIST THE NORTHERN SPOTTED OWL AS “THREATENED” OR
“ENDANGERED” UNDER THE CALIFORNIA ENDANGERED SPECIES ACT**



ENVIRONMENTAL PROTECTION INFORMATION CENTER

September 4, 2012



Executive Summary

The Northern Spotted Owl (*Strix occidentalis caurina*) has been listed under the federal Endangered Species Act (ESA) as “threatened” since 1990. By definition, a threatened species is “. . . likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range.” 16 U.S.C. §1531. Despite more than 20 years of protections, the northern spotted owl is now closer to extinction than ever. Recently, spotted owl biologists have published a comprehensive analysis that determined the species has been declining on seven of eleven active demographic study areas at about 3% annually range-wide from 1985-2008, and that the decline is accelerating in recent years (Forsman et al. 2011). The rate of decline is steepest in northern Oregon and Washington, where spotted owl populations would decline by more than half in the next 20 years. On the remaining federal lands, population decline is accelerating and vital rates are deteriorating (Forsman et al. 2011). On non-federal lands, including areas that once provided some of the highest quality habitat for spotted owls, declines are significantly greater than on federal lands, with vast areas no longer supporting any spotted owls at all. (Forsman et al. 2011, Anthony et al. 2006). The outlook for the northern spotted owl is dire based on the population trends, continued habitat loss, competition by the aggressive, invading barred owl, and the inadequacy of regulatory mechanisms, especially the lack of recovery efforts on state and private lands. This petition requests the U.S. Fish and Wildlife Service (USFWS) to acknowledge the best available science, and to act accordingly by changing the status of the northern spotted owl from “threatened” to “endangered” under the ESA.

The State of California has never acted to protect the northern spotted owl under the California Endangered Species Act (CESA). California Fish and Game Code §§ 2050 *et seq.* This is despite clear declines throughout the species range in California, as well as the remainder of the range. After listing the owl under the ESA, the USFWS and federal land managers developed a strategy, the “Northwest Forest Plan,” to recover the spotted owl by heavily relying on a selection of federal lands to shoulder the burden of conservation. The plan’s centerpiece was a network of habitat islands for spotted owls, termed “late-successional reserves” (LSRs). Unfortunately, the reliance on the Northwest Forest Plan meant that the conservation needs for spotted owls outside of the LSRs were largely ignored. This was especially true on state and private lands where spotted owls have been largely extirpated, with the remaining individuals in dire need of protections. The heavy reliance on fragmented reserves on federal lands without a comprehensive approach to spotted owl conservation on non-federal lands has proven to be a critical error, and one of the primary reasons why recovery has failed. Coupled with continued habitat loss is the very significant threat posed by the barred owl, which displaces spotted owls and thrives in the highly fragmented and simplified industrial forest landscapes.

It is now time for the State of California Fish and Game Commission to recognize its duties under CESA, and based on the overwhelming evidence, act swiftly to protect the northern spotted owl. Without a more holistic view of species recovery and landscape-scale conservation, the spotted owl is likely to go extinct in the foreseeable future.