

## Testing Results for *Borrelia burgdorferi* (Lyme Disease Agent) From Western Black-Legged Ticks (*Ixodes pacificus*)

### Lyme disease

Lyme borreliosis describes human infection with a tick-borne bacteria called *Borrelia burgdorferi*. The tick that transmits this bacteria to humans in California is the western black-legged tick (*Ixodes pacificus*). An informational brochure on Lyme disease in California is available at the California Department of Health Services (DHS) web site: <http://www.dhs.ca.gov/ps/dcdc/pdf/disbindex.htm>.

### Tick-testing results

The Vector-Borne Disease Section (VBDS) collects data on *Ixodes pacificus* ticks tested for *Borrelia burgdorferi* infection throughout the state. In addition to surveillance conducted by VBDS, numerous local agencies forward results to VBDS (see “Contributing Agencies” below). *Borrelia burgdorferi* surveillance in ticks serves to increase public awareness of Lyme disease throughout California.

### Explanation of tests used to detect evidence of *B. burgdorferi* infection in ticks

*Borrelia burgdorferi* bacteria are detected in ticks through tests performed on the content of the tick’s digestive tract (“gut”) or by testing the entire tick. Different laboratories performed different tests to determine tick infection with *Borrelia burgdorferi*. Each test type described below has different abilities to detect the *Borrelia burgdorferi* bacteria. Also, some laboratories prefer to group several ticks together in “pools” (usually 2 to 10 ticks per pool) to perform one test on several ticks at once. Because of differences in laboratory techniques and procedures, results should be compared only between the same tests and laboratories.

Culture: *Borrelia burgdorferi* bacteria can be grown from infected tick gut in special liquid. This test may miss some ticks infected with *Borrelia burgdorferi*. It is sometimes difficult to grow this bacteria if small numbers of *Borrelia* or large numbers of other bacteria are present.

DFA = Direct Fluorescent Antibody: *Borrelia* bacteria are detected in tick gut by putting on special proteins that will attach to the *Borrelia* bacteria. If *Borrelia* organisms are present, they will glow when viewed under a specially equipped microscope. A positive result means that *Borrelia* bacteria are present, though not necessarily *Borrelia burgdorferi*.

IFA=Indirect Fluorescent Antibody: The IFA is like the DFA except that a sequence of two special proteins is used to detect *Borrelia burgdorferi* in the tick gut. If *Borrelia* organisms are present, they will glow when viewed under a specially equipped microscope. Like the DFA, this test can detect other kinds of *Borrelia* bacteria. However, with the IFA, positive results are more likely to be *Borrelia burgdorferi*.

PCR=Polymerase chain reaction: PCR is used to detect DNA of *Borrelia burgdorferi*, usually from the whole tick. This method can detect either *Borrelia burgdorferi* only or many different kinds of *Borrelia*, depending on how the laboratory runs the test. Very small numbers of *Borrelia* organisms can be detected. However, sometimes ticks that do not have any *Borrelia* can be “positive”.

**How to use this web posting**

A map below shows *Ixodes pacificus* presence and *B. burgdorferi* infection in ticks in California. Detailed data for counties with a dashed square in the center ({} ) can be accessed by clicking on the square. To return to the map, right-click with your mouse and hit “Go Back” or scroll to the top of the document. Some counties (Lassen, Colusa, San Francisco, Stanislaus, Merced, Mono, Kings, Imperial) do not have links because ticks have been found in these counties, however, they have not been tested for *B. burgdorferi*. Scientific references are provided for Marin and Sutter Counties.

**Abbreviations used in the data for most counties**

County information provided includes:

LOCATION      DATE      SPECIME      RESULT      #POOLED      #POOLS      #POS      TEST      LABORATORY

- Location      = site in the county where the tick was found
- Date            = date the tick was collected
- Specime        = specimen. This refers to the stage or sex of the tick. Adult, nymph, and larva ticks are tested. For some adult ticks, female or male is noted.
- Result          = the result of the test (positive or negative)
- #Pooled        = Total number of ticks tested.
- #Pools         = Number of pools into which the total number of ticks were divided for testing
- #Pos            = The number of positive pools
- Test            = The type of test performed (when multiple tests are listed, if one test is underlined, that is the test that is positive).
- Laboratory    = The laboratory that performed the test

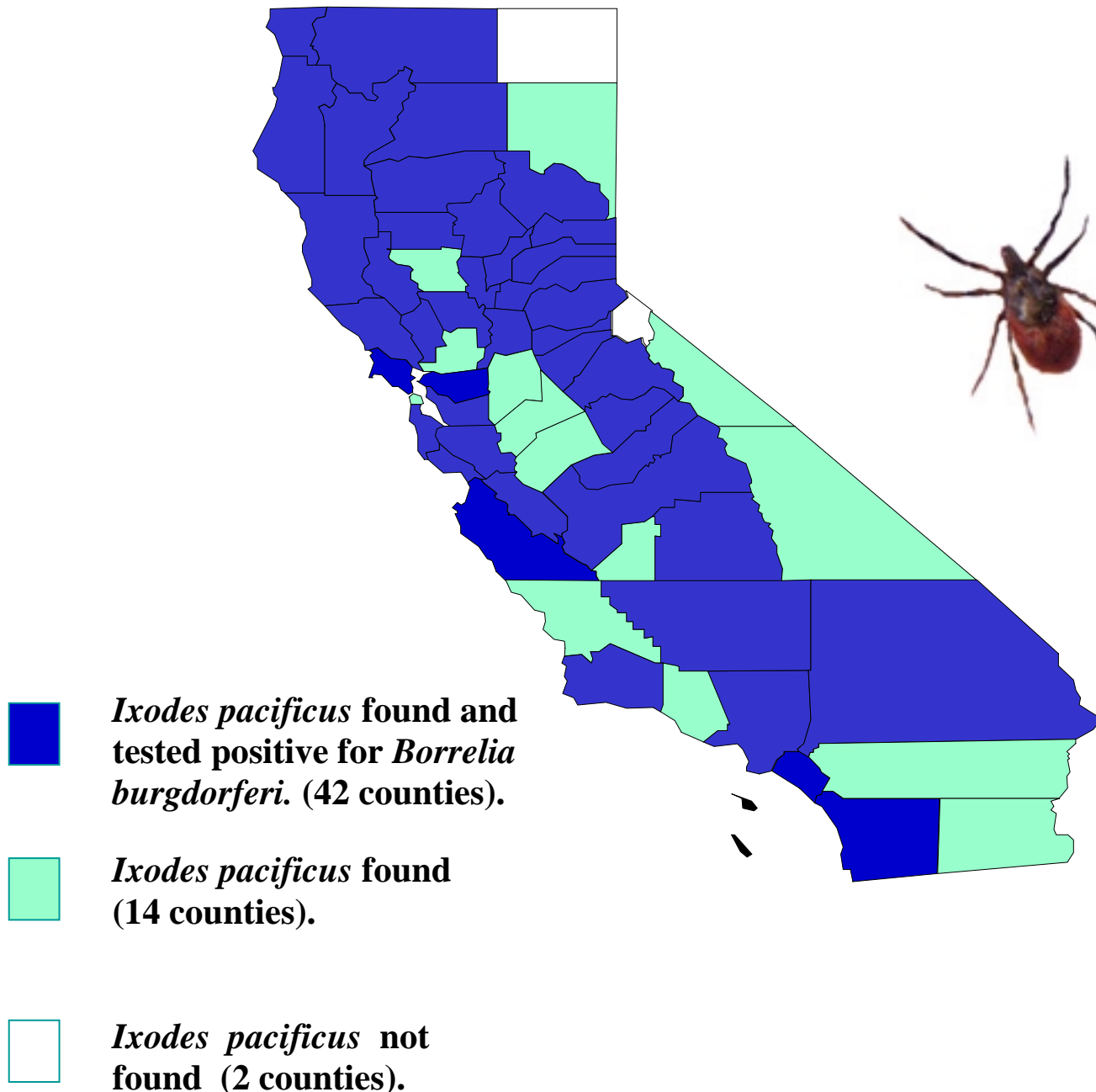
## **Contributing Agencies**

In addition to VBDS, agencies that have contributed to this database include:

- Alameda County Vector Control and Surveillance Division
- Butte County Mosquito and Vector Control District
- City of Moorpark Vector Control
- Contra Costa County Mosquito and Vector Control District
- Inyo County Environmental Health
- Los Angeles County Department of Health Services
- Los Angeles County West Vector Control District
- Marin/Sonoma Mosquito and Vector Control District
- Microbial Disease Laboratory Branch, California Department of Health Services
- Orange County Vector Control District
- Placer County Public Health Laboratory
- Rocky Mountain Laboratories, National Institutes of Health
- San Bernardino County Environmental Health Department
- San Diego County Environmental Health Department
- San Luis Obispo County Health Department
- San Mateo County Mosquito Abatement District
- Santa Barbara County Health Department
- Santa Barbara Coastal Vector Control District
- Santa Cruz County Environmental Health Department
- University of California, Berkeley
- United States Army Center for Health Promotion & Preventive Medicine-West
- Washoe County Environmental Health Department, Nevada

**For the tick map and data, click here or scroll to the next page.**

## The western black-legged tick (*Ixodes pacificus*) in California



The western black-legged tick (*Ixodes pacificus*) has been found in 56 of 58 counties to date. The map generalizes available data, and patterns vary within counties.

Tick-borne Diseases Surveillance Program  
Laboratory Tick Pool Results

**Agent: B burgdorferi**  
**Species I pacificus**

| LOCATION                              | DATE     | SPECIME | RESULT | #POOLED    | #POOLS     | #POS     | TEST    | LABORATORY    |
|---------------------------------------|----------|---------|--------|------------|------------|----------|---------|---------------|
| <b><u>Alameda</u></b>                 |          |         |        |            |            |          |         |               |
| Chabot Regional Park                  | 01/22/86 | Adults  | NEG    | 15         | 15         | 0        | Culture | CDHS, MDL     |
| Del Valle Reg Park                    | 02/18/88 | Adults  | POS    | 109        | 11         | 3        | Culture | CDHS, MDL     |
| Hayward, Old Highland Park            | 02/08/02 | Adults  | NEG    | 8          | 8          | 0        | IFA     | Sonoma Co PHL |
| Hayward, Old Highland Park            | 06/10/02 | Adults  | NEG    | 2          | 2          | 0        | IFA     | Sonoma Co PHL |
| Oakland, Anthony Chabot Regional Park | 03/25/02 | Adults  | NEG    | 19         | 19         | 0        | IFA     | Sonoma Co PHL |
| Oakland, Golf Links Rd.               | 01/30/02 | Adults  | NEG    | 11         | 11         | 0        | IFA     | Sonoma Co PHL |
| Oakland, Mt. View Cemetery            | 01/24/02 | Adults  | NEG    | 14         | 14         | 0        | IFA     | Sonoma Co PHL |
| Oakland, Mt. View Cemetery            | 01/25/02 | Adults  | NEG    | 40         | 40         | 0        | IFA     | Sonoma Co PHL |
| Oakland, Mt. View Cemetery            | 02/22/02 | Adults  | NEG    | 6          | 6          | 0        | IFA     | Sonoma Co PHL |
| Oakland, Mt. View Cemetery            | 03/08/02 | Adults  | NEG    | 13         | 13         | 0        | IFA     | Sonoma Co PHL |
| Oakland, Mt. View Cemetery            | 04/12/02 | Adults  | NEG    | 1          | 1          | 0        | IFA     | Alameda Co PH |
| Oakland, Mt. View Cemetery            | 04/13/02 | Adults  | NEG    | 1          | 1          | 0        | IFA     | Sonoma Co PHL |
| Oakland, Mt. View Cemetery            | 06/03/02 | Adults  | NEG    | 6          | 6          | 0        | IFA     | Sonoma Co PHL |
| Oakland, Redwood Regional Park        | 03/26/02 | Adults  | NEG    | 8          | 8          | 0        | IFA     | Sonoma Co PHL |
| Oakland, Shirley Dr. off Skyline      | 03/19/02 | Adults  | POS    | 21         | 21         | 3        | IFA     | Sonoma Co PHL |
| Oakland, Sibley Volcanic Preserve     | 03/21/02 | Adults  | NEG    | 1          | 1          | 0        | IFA     | Sonoma Co PHL |
| Roberts Regional Park                 | 03/26/86 | Females | NEG    | 1          | 1          | 0        | Culture | CDHS, MDL     |
| Roberts Regional Park                 | 03/26/86 | Males   | NEG    | 1          | 1          | 0        | Culture | CDHS, MDL     |
| Roberts Regional Park                 | 04/25/93 | Adults  | POS    | 506        | 51         | 2        | IFA     | UC Berkeley   |
| Sunol Regional Park                   | 04/06/00 | Adults  | POS    | 25         | 5          | 1        | IFA     | Alameda Co PH |
| Sunol, Sunol Regional Wilderness      | 02/22/02 | Adults  | NEG    | 31         | 31         | 0        | IFA     | Sonoma Co PHL |
|                                       |          |         |        | <u>839</u> | <u>266</u> | <u>9</u> |         |               |

| LOCATION             | DATE     | SPECIME | RESULT | #POOLED   | #POOLS   | #POS     | TEST    | LABORATORY |
|----------------------|----------|---------|--------|-----------|----------|----------|---------|------------|
| <b><u>Amador</u></b> |          |         |        |           |          |          |         |            |
| Jackson              | 02/21/90 | Adults  | NEG    | 21        | 2        | 0        | Culture | CDHS, MDL  |
| Pioneer              | 04/20/90 | Adults  | POS    | 26        | 3        | 1        | Culture | CDHS, MDL  |
|                      |          |         |        | <u>47</u> | <u>5</u> | <u>1</u> |         |            |

| LOCATION            | DATE     | SPECIME | RESULT | #POOLED    | #POOLS     | #POS      | TEST    | LABORATORY   |
|---------------------|----------|---------|--------|------------|------------|-----------|---------|--------------|
| <b><u>Butte</u></b> |          |         |        |            |            |           |         |              |
| Big Bend            | 02/28/89 | Adults  | POS    | 109        | 11         | 1         | Culture | CDHS, MDL    |
| Loafer Creek SRA    | 01/23/02 | Adults  | POS    | 42         | 42         | 1         | IFA     | Washoe Co EH |
| Loafer Creek SRA    | 01/23/02 | Adults  | NEG    | 26         | 26         | 0         | IFA     | Washoe Co EH |
| Loafer Creek SRA    | 02/26/02 | Adults  | POS    | 53         | 53         | 5         | IFA     | Washoe Co EH |
| Loafer Creek SRA    | 11/20/02 | Adults  | POS    | 33         | 33         | 3         | IFA     | Washoe Co EH |
| Loafer Creek SRA    | 12/13/02 | Adults  | POS    | 39         | 39         | 1         | IFA     | Washoe Co EH |
| Loafer Creek SRA    | 12/13/02 | Adults  | POS    | 49         | 49         | 2         | IFA     | Washoe Co EH |
| Loafer Creek SRA    | 01/08/03 | Adults  | POS    | 106        | 106        | 4         | IFA     | Washoe Co EH |
| Loafer Creek SRA    | 02/20/03 | Adults  | POS    | 126        | 126        | 6         | IFA     | Washoe Co EH |
| Oroville            | 02/18/87 | Adults  | NEG    | 4          | 1          | 0         | Culture | Rocky Mt Lab |
| Oroville, 7 mi E    | 03/18/99 | Adults  | POS    | 130        | 13         | 5         | IFA     | Rocky Mt Lab |
| Swedes Flat         | 02/27/89 | Adults  | NEG    | 49         | 5          | 0         | Culture | CDHS, MDL    |
|                     |          |         |        | <u>766</u> | <u>504</u> | <u>28</u> |         |              |

| LOCATION                | DATE     | SPECIME | RESULT | #POOLED | #POOLS | #POS TEST | LABORATORY |
|-------------------------|----------|---------|--------|---------|--------|-----------|------------|
| <b><u>Calaveras</u></b> |          |         |        |         |        |           |            |
| Murphys                 | 02/28/90 | Adults  | POS    | 44      | 4      | 1 Culture | CDHS, MDL  |

44      4      1

| LOCATION                                  | DATE     | SPECIME | RESULT | #POOLED     | #POOLS      | #POS TEST | LABORATORY |
|---|----------|---------|--------|-------------|-------------|-----------|------------|
| <b><u>Contra Costa</u></b>                |          |         |        |             |             |           |            |
| Briones Regional Park, Bear Creek Entran. | 01/24/02 | Adults  | POS    | 40          | 40          | 2 IFA     | C C CMVCD  |
| Briones Regional Park, Bear Creek Stagin  | 03/03/03 | Adults  | NEG    | 76          | 76          | 0 IFA     | C C CMVCD  |
| Diablo                                    | 01/10/02 | Adults  | NEG    | 54          | 54          | 0 IFA     | C C CMVCD  |
| Lafayette                                 | 02/13/02 | Adults  | POS    | 100         | 100         | 1 IFA     | C C CMVCD  |
| Lafayette                                 | 03/20/02 | Adults  | POS    | 24          | 24          | 3 IFA     | C C CMVCD  |
| Lafayette, Brown Rd.                      | 02/11/03 | Adults  | NEG    | 17          | 17          | 0 IFA     | C C CMVCD  |
| Lafayette, Leslyn Lane                    | 02/04/03 | Adults  | POS    | 28          | 28          | 1 IFA     | C C CMVCD  |
| Lafayette, Shire Oaks Court               | 01/06/03 | Adults  | NEG    | 96          | 96          | 0 IFA     | C C CMVCD  |
| Lafayette, Springhill Lane                | 02/04/03 | Adults  | POS    | 70          | 70          | 8 IFA     | C C CMVCD  |
| Lafayette, Springhill Rd. (end)           | 03/03/03 | Adults  | POS    | 100         | 100         | 1 IFA     | C C CMVCD  |
| Lafayette, Springhill Rd. (middle)        | 02/14/03 | Adults  | POS    | 46          | 46          | 4 IFA     | C C CMVCD  |
| Lafayette, Springhill Rd. (middle)        | 02/14/03 | Adults  | POS    | 7           | 7           | 1 IFA     | C C CMVCD  |
| Moraga                                    | 01/03/02 | Adults  | NEG    | 13          | 13          | 0 IFA     | C C CMVCD  |
| Orinda                                    | 01/03/02 | Adults  | NEG    | 8           | 8           | 0 IFA     | C C CMVCD  |
| Orinda, Joseph Drive                      | 01/06/03 | Adults  | NEG    | 56          | 56          | 0 IFA     | C C CMVCD  |
| Robert Sibley Regional Park               | 01/22/86 | Adults  | NEG    | 63          | 63          | 0 Culture | CDHS, MDL  |
| Robert Sibley Regional Park               | 03/26/86 | Adults  | NEG    | 6           | 6           | 0 Culture | CDHS, MDL  |
| Robert Sibley Regional Park               | 01/15/87 | Adults  | NEG    | 24          | 24          | 0 Culture | CDHS, MDL  |
| Robert Sibley Regional Park               | 01/28/88 | Adults  | NEG    | 200         | 20          | 0 Culture | CDHS, MDL  |
| San Ramon                                 | 01/09/02 | Adults  | POS    | 100         | 100         | 1 IFA     | C C CMVCD  |
| San Ramon, Bollinger Cyn. Rd.             | 03/03/03 | Adults  | POS    | 100         | 100         | 2 IFA     | C C CMVCD  |
| Tilden Regional Park                      | 02/05/87 | Adults  | NEG    | 30          | 30          | 0 Culture | CDHS, MDL  |
| Tilden Regional Park                      | 01/14/88 | Adults  | NEG    | 105         | 11          | 0 Culture | CDHS, MDL  |
| Tilden Regional Park                      | 01/21/88 | Adults  | NEG    | 87          | 9           | 0 Culture | CDHS, MDL  |
| Walnut Creek, Grover Lane                 | 01/06/03 | Adults  | NEG    | 54          | 54          | 0 IFA     | C C CMVCD  |
|   |          |         |        | <u>1504</u> | <u>1152</u> | <u>24</u> |            |

| LOCATION                        | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS TEST | LABORATORY   |
|---------------------------------|----------|---------|--------|------------|-----------|-----------|--------------|
| <b><u>Del Norte</u></b>         |          |         |        |            |           |           |              |
| Del Norte SP, Enderts Beach     | 03/06/85 | Adults  | POS    | 34         | 3         | 2 Culture | CDHS, MDL    |
| Del Norte SP, Enderts Beach     | 02/10/87 | Adults  | NEG    | 27         | 3         | 0 Culture | CDHS, MDL    |
| Klamath NF, Yurok Indian Res.   | 02/10/87 | Adults  | NEG    | 16         | 16        | 0 Culture | CDHS, MDL    |
| Six Rivers NF, Big Flat CG      | 03/15/00 | Adults  | POS    | 23         | 3         | 1 IFA     | Washoe Co EH |
| Six Rivers NF, Big Flat CG      | 04/11/00 | Adults  | NEG    | 15         | 2         | 0 IFA     | Washoe Co EH |
| Six Rivers NF, Big Flat CG      | 05/03/00 | Adults  | NEG    | 2          | 1         | 0 IFA     | Washoe Co EH |
| Six Rivers NF, Grassy Flat CG   | 04/11/00 | Adults  | NEG    | 2          | 1         | 0 DFA     | Placer Co HD |
| Six Rivers NF, Partick Creek CG | 03/15/00 | Adults  | NEG    | 2          | 2         | 0 IFA     | Washoe Co EH |
| Six Rivers NF, Patrick Creek CG | 03/15/00 | Adults  | NEG    | 4          | 4         | 0 IFA     | Washoe Co EH |
|                                 |          |         |        | <u>125</u> | <u>35</u> | <u>3</u>  |              |

| LOCATION                | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS TEST | LABORATORY |
|-------------------------|----------|---------|--------|------------|-----------|-----------|------------|
| <b><u>El Dorado</u></b> |          |         |        |            |           |           |            |
| El Dorado               | 11/27/87 | Adults  | NEG    | 10         | 1         | 0 Culture | CDHS, MDL  |
| El Dorado               | 02/23/89 | Adults  | NEG    | 27         | 3         | 0 Culture | CDHS, MDL  |
| El Dorado               | 11/13/89 | Adults  | NEG    | 42         | 4         | 0 Culture | CDHS, MDL  |
| Georgetown              | 12/07/89 | Adults  | POS    | 33         | 3         | 1 Culture | CDHS, MDL  |
|                         |          |         |        | <u>112</u> | <u>11</u> | <u>1</u>  |            |

| LOCATION                             | DATE     | SPECIME | RESULT | #POOLED   | #POOLS    | #POS TEST | LABORATORY   |
|--------------------------------------|----------|---------|--------|-----------|-----------|-----------|--------------|
| <b><u>Fresno</u></b>                 |          |         |        |           |           |           |              |
| Sequoia NF, Armenian Church Camp     | 03/14/00 | Adults  | NEG    | 4         | 1         | 0 PCR     | US Army      |
| Sequoia NF, Hwy 180 & Hwy 245        | 03/15/00 | Adults  | NEG    | 1         | 1         | 0 PCR     | US Army      |
| Sequoia NF, Mill Flat CG             | 12/16/86 | Adults  | NEG    | 29        | 29        | 0 Culture | CDHS, MDL    |
| Sequoia NF, roadside pullout Hwy 180 | 03/14/00 | Adults  | NEG    | 11        | 2         | 0 PCR     | US Army      |
| Sierra NF, Kirch Flat CG             | 12/16/86 | Adults  | POS    | 22        | 2         | 1 Culture | CDHS, MDL    |
| Sierra NF, Trimmer                   | 12/16/86 | Adults  | NEG    | 13        | 13        | 0 Culture | CDHS, MDL    |
| Wonder Valley                        | 03/12/87 | Adults  | NEG    | 4         | 1         | 0 Culture | Rocky Mt Lab |
|                                      |          |         |        | <u>84</u> | <u>49</u> | <u>1</u>  |              |

| LOCATION                            | DATE     | SPECIME | RESULT | #POOLED   | #POOLS    | #POS TEST | LABORATORY   |
|-------------------------------------|----------|---------|--------|-----------|-----------|-----------|--------------|
| <b><u>Glenn</u></b>                 |          |         |        |           |           |           |              |
| Elk Creek, 10 mi w; Ivory Mill Road | 03/10/92 | Adults  | POS    | 30        | 3         | 2 Culture | Rocky Mt Lab |
| Mendocino NF, Alder Springs         | 02/27/91 | Adults  | NEG    | 50        | 5         | 0 Culture | CDHS, MDL    |
| Stonyford                           | 03/31/87 | Females | NEG    | 3         | 3         | 0 Culture | CDHS, MDL    |
| Stonyford                           | 03/31/87 | Males   | NEG    | 1         | 1         | 0 Culture | CDHS, MDL    |
|                                     |          |         |        | <u>84</u> | <u>12</u> | <u>2</u>  |              |

| LOCATION               | DATE     | SPECIME | RESULT | #POOLED | #POOLS | #POS TEST | LABORATORY |
|------------------------|----------|---------|--------|---------|--------|-----------|------------|
| <b><u>Humboldt</u></b> |          |         |        |         |        |           |            |
| Albee HRSP             | 01/21/87 | Adults  | NEG    | 1       | 1      | 0 Culture | CDHS, MDL  |
| Alderpoint             | 12/11/84 | Females | NEG    | 5       | 5      | 0 Culture | CDHS, MDL  |
| Alderpoint             | 12/11/84 | Males   | NEG    | 10      | 10     | 0 Culture | CDHS, MDL  |
| Alderpoint             | 05/20/85 | Adults  | NEG    | 3       | 3      | 0 Culture | CDHS, MDL  |
| Alderpoint             | 03/26/86 | Adults  | NEG    | 39      | 39     | 0 Culture | CDHS, MDL  |
| Alderpoint             | 11/05/86 | Adults  | NEG    | 25      | 25     | 0 Culture | CDHS, MDL  |
| Benbow                 | 05/07/86 | Nymphs  | NEG    | 1       | 1      | 0 Culture | CDHS, MDL  |
| Benbow Lake SP         | 05/13/85 | Females | NEG    | 1       | 1      | 0 Culture | CDHS, MDL  |
| Benbow SRA             | 05/13/85 | Adults  | NEG    | 14      | 14     | 0 Culture | CDHS, MDL  |
| Blocksburg             | 02/05/85 | Adults  | NEG    | 78      | 78     | 0 Culture | CDHS, MDL  |
| Blocksburg             | 02/05/85 | Adults  | NEG    | 24      | 24     | 0 Culture | CDHS, MDL  |
| Briceland              | 04/18/85 | Adults  | NEG    | 41      | 41     | 0 Culture | CDHS, MDL  |
| Bridge Creek RNP       | 05/24/85 | Females | NEG    | 1       | 1      | 0 Culture | CDHS, MDL  |
| Bridge Creek RNP       | 05/24/85 | Males   | NEG    | 1       | 1      | 0 Culture | CDHS, MDL  |
| Cuneo Creek CG HRSP    | 03/25/86 | Adults  | NEG    | 3       | 3      | 0 Culture | CDHS, MDL  |
| Cuneo Creek HRSP       | 05/13/85 | Females | NEG    | 1       | 1      | 0 Culture | CDHS, MDL  |
| Ettersburg             | 03/25/86 | Adults  | POS    | 34      | 3      | 1 Culture | CDHS, MDL  |
| Ferndale               | 10/28/86 | Adults  | NEG    | 2       | 2      | 0 Culture | CDHS, MDL  |
| Garberville            | 03/26/86 | Adults  | NEG    | 35      | 4      | 0 Culture | CDHS, MDL  |
| Harris                 | 03/26/86 | Adults  | NEG    | 30      | 30     | 0 Culture | CDHS, MDL  |
| Miranda                | 01/20/87 | Adults  | NEG    | 10      | 10     | 0 Culture | CDHS, MDL  |
| Orick Redwood NP       | 10/27/85 | Females | NEG    | 1       | 1      | 0 Culture | CDHS, MDL  |
| Orick Redwood NP       | 10/30/85 | Males   | NEG    | 1       | 1      | 0 Culture | CDHS, MDL  |
| Orick Redwood NP       | 11/11/85 | Males   | NEG    | 1       | 1      | 0 Culture | CDHS, MDL  |
| Prairie Creek SP       | 03/12/86 | Adults  | NEG    | 3       | 3      | 0 Culture | CDHS, MDL  |
| Redway                 | 02/04/85 | Adults  | POS    | 51      | 5      | 1 Culture | CDHS, MDL  |

| LOCATION                           | DATE     | SPECIME | RESULT | #POOLED    | #POOLS     | #POS TEST | LABORATORY |
|------------------------------------|----------|---------|--------|------------|------------|-----------|------------|
| <b><u>Humboldt (continued)</u></b> |          |         |        |            |            |           |            |
| Redway                             | 03/05/85 | Females | NEG    | 4          | 1          | 0 Culture | CDHS, MDL  |
| Redway                             | 03/05/85 | Males   | NEG    | 3          | 3          | 0 Culture | CDHS, MDL  |
| Redway                             | 03/07/85 | Females | NEG    | 6          | 1          | 0 Culture | CDHS, MDL  |
| Redway                             | 03/07/85 | Males   | NEG    | 7          | 7          | 0 Culture | CDHS, MDL  |
| Redway                             | 04/17/85 | Adults  | NEG    | 13         | 1          | 0 Culture | CDHS, MDL  |
| Redway                             | 04/17/85 | Adults  | NEG    | 64         | 64         | 0 Culture | CDHS, MDL  |
| Redway                             | 03/26/86 | Adults  | POS    | 39         | 39         | 1 Culture | CDHS, MDL  |
| Redway                             | 03/26/86 | Adults  | POS    | 10         | 1          | 1 Culture | CDHS, MDL  |
| Richardson Grove SP                | 05/23/86 | Adults  | NEG    | 40         | 4          | 0 Culture | CDHS, MDL  |
| Salmon Creek                       | 02/04/85 | Adults  | NEG    | 20         | 20         | 0 Culture | CDHS, MDL  |
| Salmon Creek                       | 03/07/85 | Adults  | POS    | 29         | 3          | 2 Culture | CDHS, MDL  |
| Salmon Creek                       | 04/18/85 | Adults  | NEG    | 20         | 2          | 0 Culture | CDHS, MDL  |
|                                    |          |         |        | <u>671</u> | <u>454</u> | <u>6</u>  |            |

| LOCATION                | DATE     | SPECIME | RESULT | #POOLED   | #POOLS    | #POS TEST | LABORATORY   |
|-------------------------|----------|---------|--------|-----------|-----------|-----------|--------------|
| <b><u>Inyo</u></b>      |          |         |        |           |           |           |              |
| Inyo NF, Lewis Canyon   | 02/09/99 | Females | NEG    | 6         | 1         | 0 IFA     | Rocky Mt Lab |
| Inyo NF, Lewis Canyon   | 02/09/99 | Males   | NEG    | 1         | 1         | 0 IFA     | Rocky Mt Lab |
| Inyo NF, Lewis Canyon   | 01/30/01 | Adults  | NEG    | 1         | 1         | 0 Culture | UC Berkeley  |
| Inyo NF, Lewis Canyon   | 04/13/01 | Adults  | NEG    | 13        | 13        | 0 Culture | UC Berkeley  |
| Inyo NF, Sage Flat Road | 04/12/01 | Adults  | NEG    | 1         | 1         | 0 Culture | UC Berkeley  |
|                         |          |         |        | <u>22</u> | <u>17</u> | <u>0</u>  |              |

| LOCATION                      | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS TEST | LABORATORY   |
|-------------------------------|----------|---------|--------|------------|-----------|-----------|--------------|
| <b><u>Kern</u></b>            |          |         |        |            |           |           |              |
| Fort Tejon SP                 | 03/05/91 | Adults  | POS    | 50         | 5         | 1 Culture | CDHS, MDL    |
| Fort Tejon SP                 | 03/05/91 | Adults  | POS    | 50         | 5         | 1 Culture | CDHS, MDL    |
| Loraine                       | 03/06/91 | Adults  | NEG    | 50         | 5         | 0 Culture | CDHS, MDL    |
| Loraine                       | 03/06/91 | Adults  | NEG    | 50         | 5         | 0 Culture | CDHS, MDL    |
| Sequoia NF, Kern River Valley | 01/23/02 | Adults  | NEG    | 1          | 1         | 0 PCR     | US Army      |
| Stallion Springs              | 02/03/87 | Adults  | NEG    | 5          | 5         | 0 Culture | Rocky Mt Lab |
|                               |          |         |        | <u>206</u> | <u>26</u> | <u>2</u>  |              |

| LOCATION                     | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS TEST      | LABORATORY |
|------------------------------|----------|---------|--------|------------|-----------|----------------|------------|
| <b><u>Lake</u></b>           |          |         |        |            |           |                |            |
| Clear Lake                   | 02/12/02 | Adults  | POS    | 56         | 5         | 4 IFA, Culture | S/Y MVCD   |
| Clear Lake                   | 03/06/02 | Adults  | POS    | 42         | 4         | 4 IFA, Culture | S/Y MVCD   |
| Clear Lake                   | 04/04/02 | Adults  | NEG    | 3          | 1         | 0 IFA, Culture | S/Y MVCD   |
| Clear Lake                   | 04/18/02 | Adults  | NEG    | 2          | 2         | 0 IFA, Culture | S/Y MVCD   |
| Clear Lake St Park           | 01/22/86 | Adults  | POS    | 25         | 3         | 1 Culture      | CDHS, MDL  |
| Clear Lake, Dorn Trail       | 05/09/02 | Adults  | NEG    | 6          | 2         | 0 IFA, Culture | S/Y MVCD   |
| Clear Lake, N. Dorn Trail    | 05/08/02 | Adults  | POS    | 40         | 7         | 1 IFA, Culture | S/Y MVCD   |
| Highland Springs             | 04/08/87 | Females | NEG    | 1          | 1         | 0 Culture      | CDHS, MDL  |
| Mendocino NF, Pillsbury Lake | 04/13/87 | Adults  | NEG    | 29         | 29        | 0 Culture      | CDHS, MDL  |
| Mendocino NF, Pillsbury Lake | 04/13/87 | Females | NEG    | 22         | 22        | 0 Culture      | CDHS, MDL  |
| Mendocino NF, Pillsbury Lake | 04/13/87 | Males   | NEG    | 20         | 20        | 0 Culture      | CDHS, MDL  |
| Upper Lake                   | 04/13/87 | Adults  | POS    | 32         | 3         | 1 Culture      | CDHS, MDL  |
|                              |          |         |        | <u>278</u> | <u>99</u> | <u>11</u>      |            |



| LOCATION                                 | DATE     | SPECIMEN | RESULT | #POOLED | #POOLS | #POS | TEST    | LABORATORY    |
|--|----------|----------|--------|---------|--------|------|---------|---------------|
| <b><u>Los Angeles</u></b>                |          |          |        |         |        |      |         |               |
| Agoura, Ronald Reagan Ranch              | 02/09/00 | Adults   | NEG    | 101     | 10     | 0    | DFA     | Orange Co VCD |
| Angeles NF                               | 03/23/90 | Adults   | NEG    | 52      | 5      | 0    | Culture | CDHS, MDL     |
| Angeles NF, Big Dalton Canyon            | 11/20/00 | Adults   | NEG    | 10      | 1      | 0    | PCR     | US Army       |
| Angeles NF, Chantry Flat                 | 03/18/91 | Adults   | NEG    | 41      | 4      | 0    | Culture | CDHS, MDL     |
| Angeles NF, Chantry Flat                 | 03/18/91 | Adults   | NEG    | 102     | 10     | 0    | Culture | CDHS, MDL     |
| Angeles NF, Chantry Flat                 | 04/11/01 | Adults   | NEG    | 152     | 15     | 0    | PCR     | US Army       |
| Angeles NF, Chantry Flats                | 03/02/99 | Adults   | NEG    | 6       | 1      | 0    | IFA     | Orange Co VCD |
| Angeles NF, Claremont Hills              | 11/22/00 | Adults   | NEG    | 10      | 1      | 0    | PCR     | US Army       |
| Angeles NF, Glendora Mt. Rd              | 11/20/00 | Adults   | NEG    | 28      | 3      | 0    | PCR     | US Army       |
| Angeles NF, Mount Baldy                  | 05/07/91 | Adults   | NEG    | 23      | 2      | 0    | Culture | CDHS, MDL     |
| Angeles NF, Mount Baldy                  | 05/07/91 | Adults   | NEG    | 14      | 2      | 0    | Culture | CDHS, MDL     |
| Angeles NF, Oaks Picnic Site             | 11/20/00 | Adults   | NEG    | 5       | 1      | 0    | PCR     | US Army       |
| Angeles NF, Palmer Canyon                | 11/20/00 | Adults   | NEG    | 6       | 1      | 0    | PCR     | US Army       |
| Angeles NF, Rowher Flat OMU Area         | 03/22/01 | Adults   | NEG    | 24      | 3      | 0    | PCR     | US Army       |
| Angeles NF, Santa Clarita                | 03/15/01 | Adults   | NEG    | 77      | 8      | 0    | PCR     | US Army       |
| Angeles NF, Silverwood Lk St Pk          | 03/24/00 | Adults   | NEG    | 4       | 1      | 0    | PCR     | US Army       |
| Angeles NF, South Fork Trail             | 04/24/01 | Adults   | NEG    | 188     | 19     | 0    | PCR     | US Army       |
| Angeles NF, Switzer Picnic Area          | 03/23/00 | Adults   | NEG    | 7       | 2      | 0    | PCR     | US Army       |
| Angeles NF, Switzer Picnic HWY 2         | 03/30/01 | Adults   | NEG    | 58      | 6      | 0    | PCR     | US Army       |
| Bell Canyon Park                         | 01/11/02 | Adults   | NEG    | 27      | 3      | 0    | PCR     | US Army       |
| Catalina Island, Cape Canyon             | 01/21/02 | Adults   | NEG    | 83      | 9      | 0    | PCR     | US Army       |
| Catalina Island, Haypress Reservoir      | 02/06/03 | Adults   | NEG    | 8       | 2      | 0    | PCR     | US Army       |
| Catalina Island, Hermit Gulch            | 02/21/02 | Adults   | NEG    | 63      | 6      | 0    | PCR     | US Army       |
| Catalina Island, Hermit Gulch            | 02/06/03 | Adults   | NEG    | 105     | 11     | 0    | PCR     | US Army       |
| Griffith Park                            | 11/30/88 | Adults   | NEG    | 13      | 2      | 0    | Culture | CDHS, MDL     |
| Griffith Park                            | 11/30/88 | Adults   | NEG    | 33      | 3      | 0    | Culture | CDHS, MDL     |
| Griffith Park                            | 11/30/88 | Adults   | NEG    | 123     | 12     | 0    | Culture | CDHS, MDL     |
| Griffith Park                            | 12/13/01 | Adults   | NEG    | 41      | 41     | 0    | DFA     | CDHS, VBDS    |
| Griffith Park                            | 12/26/01 | Adults   | NEG    | 44      | 44     | 0    | DFA     | CDHS, VBDS    |
| Griffith Park                            | 02/13/02 | Adults   | NEG    | 33      | 33     | 0    | DFA     | CDHS, VBDS    |
| Griffith Park                            | 02/26/02 | Adults   | NEG    | 1       | 1      | 0    | DFA     | CDHS, VBDS    |
| Griffith Park                            | 03/26/02 | Adults   | NEG    | 47      | 47     | 0    | DFA     | CDHS, VBDS    |
| Griffith Park                            | 04/11/02 | Adults   | NEG    | 16      | 16     | 0    | DFA     | CDHS, VBDS    |
| Griffith Park                            | 04/24/02 | Adults   | NEG    | 9       | 9      | 0    | DFA     | CDHS, VBDS    |
| Griffith Park                            | 05/29/02 | Adults   | NEG    | 2       | 2      | 0    | DFA     | CDHS, VBDS    |
| Griffith Park Drive Trail                | 03/06/01 | Adults   | NEG    | 51      | 5      | 0    | PCR     | US Army       |
| Griffith Park, Los Angeles 5 Points      | 03/20/01 | Adults   | NEG    | 173     | 18     | 0    | PCR     | US Army       |
| Los Angeles                              | 01/21/88 | Adults   | NEG    | 13      | 1      | 0    | Culture | CDHS, MDL     |
| Los Angeles, Crestwood Hills Park        | 01/02/93 | Adults   | POS    | 5       | 5      | 3    | IFA     | Conn Ag ES    |
| Los Angeles, Crestwood Hills Park        | 01/02/93 | Adults   | POS    | 5       | 5      | 3    | Culture | Conn Ag ES    |
| Los Angeles, O'Melveny Park              | 02/08/01 | Adults   | NEG    | 121     | 12     | 0    | PCR     | US Army       |
| Malibu                                   | 01/28/88 | Adults   | NEG    | 19      | 2      | 0    | Culture | CDHS, MDL     |
| Malibu Creek SP                          | 03/20/89 | Adults   | NEG    | 12      | 1      | 0    | Culture | CDHS, MDL     |
| Malibu Creek State Park                  | 03/15/00 | Adults   | NEG    | 102     | 11     | 0    | IFA     | Placer Co HD  |
| Malibu, Charmlee Park                    | 03/02/00 | Adults   | NEG    | 129     | 14     | 0    | IFA     | Placer Co HD  |
| Malibu, Charmlee Park                    | 01/07/01 | Adults   | NEG    | 93      | 10     | 0    | IFA     | Placer Co HD  |
| Malibu, Charmlee Park                    | 01/18/01 | Adults   | NEG    | 99      | 11     | 0    | IFA     | Placer Co HD  |
| Malibu, Charmlee Park                    | 02/02/01 | Adults   | POS    | 91      | 10     | 1    | IFA     | Placer Co HD  |
| Malibu, Charmlee Park                    | 02/15/01 | Adults   | POS    | 63      | 7      | 1    | IFA     | Placer Co HD  |
| Malibu, Charmlee Park                    | 02/20/01 | Adults   | NEG    | 65      | 7      | 0    | IFA     | Placer Co HD  |
| Malibu, Charmlee Park                    | 03/15/01 | Adults   | NEG    | 48      | 5      | 0    | IFA     | Placer Co HD  |
| Malibu, Charmlee St Park, Botany Trail   | 12/09/99 | Females  | NEG    | 28      | 3      | 0    | IFA     | Rocky Mt Lab  |
| Malibu, Charmlee St Park, Botany Trail   | 12/09/99 | Males    | NEG    | 38      | 4      | 0    | IFA     | Rocky Mt Lab  |
| Malibu, Charmlee State Park              | 01/28/00 | Adults   | POS    | 118     | 12     | 5    | IFA     | Placer Co HD  |
| Malibu, Charmlee State Park              | 03/22/02 | Adults   | NEG    | 2       | 2      | 0    | DFA     | CDHS, VBDS    |
| Malibu, Newton Canyon                    | 04/21/99 | Females  | NEG    | 36      | 36     | 0    | IFA     | Rocky Mt Lab  |
| Malibu, Newton Canyon                    | 04/21/99 | Males    | NEG    | 43      | 43     | 0    | IFA     | Rocky Mt Lab  |
| Malibu, Newton Canyon Trail              | 01/28/00 | Adults   | NEG    | 103     | 10     | 0    | DFA     | Orange Co VCD |
| Malibu, Upper Trancas Canyon, Main Trail | 03/18/98 | Adults   | NEG    | 60      | 10     | 0    | IFA     | Rocky Mt Lab  |
| Malibu, Upper Trancas Trail              | 11/18/99 | Females  | NEG    | 69      | 7      | 0    | IFA     | Rocky Mt Lab  |
| Malibu, Upper Trancas Trail              | 11/18/99 | Males    | NEG    | 46      | 5      | 0    | IFA     | Rocky Mt Lab  |

| LOCATION                                 | DATE     | SPECIMEN | RESULT | #POOLED     | #POOLS     | #POS      | TEST    | LABORATORY    |
|--|----------|----------|--------|-------------|------------|-----------|---------|---------------|
| <b><u>Los Angeles (continued)</u></b>    |          |          |        |             |            |           |         |               |
| Malibu, Upper Zuma Canyon                | 04/03/98 | Females  | NEG    | 30          | 3          | 0         | IFA     | Rocky Mt Lab  |
| Malibu, Upper Zuma Canyon                | 04/03/98 | Males    | NEG    | 26          | 3          | 0         | IFA     | Rocky Mt Lab  |
| Malibu, Zuma Canyon                      | 02/19/98 | Females  | NEG    | 55          | 5          | 0         | IFA     | Rocky Mt Lab  |
| Malibu, Zuma Canyon                      | 02/19/98 | Males    | NEG    | 45          | 4          | 0         | IFA     | Rocky Mt Lab  |
| Malibu, Zuma Canyon                      | 11/10/99 | Females  | NEG    | 55          | 6          | 0         | IFA     | Rocky Mt Lab  |
| Malibu, Zuma Canyon                      | 11/10/99 | Males    | NEG    | 51          | 5          | 0         | IFA     | Rocky Mt Lab  |
| Monrovia, Monrovia Canyon Park           | 03/27/01 | Adults   | NEG    | 72          | 7          | 0         | PCR     | US Army       |
| Monrovia, Sawpit, nr Monrovia Canyon Pk  | 03/02/99 | Adults   | NEG    | 5           | 1          | 0         | IFA     | Orange Co VCD |
| Monrovia, Monrovia Canyon Park           | 03/02/99 | Adults   | NEG    | 32          | 3          | 0         | IFA     | Orange Co VCD |
| Pacific Palisades, Will Rogers St Park   | 01/05/00 | Adults   | POS    | 274         | 27         | 1         | Culture | Rocky Mt Lab  |
| Pacific Palisades, Will Rogers St Park   | 03/23/00 | Adults   | NEG    | 127         | 13         | 0         | IFA     | Placer Co HD  |
| Pacific Palisades, Will Rogers St Park   | 01/30/01 | Adults   | POS    | 32          | 5          | 1         | Culture | Placer Co HD  |
| Pacific Palisades, Will Rogers St Park   | 03/01/01 | Adults   | NEG    | 57          | 5          | 0         | IFA     | Placer Co HD  |
| Pacific Palisades, Will Rogers St Park   | 03/13/01 | Adults   | NEG    | 19          | 2          | 0         | IFA     | Placer Co HD  |
| Pacific Palisades, Will Rogers St Pk     | 01/05/00 | Females  | NEG    | 117         | 12         | 0         | IFA     | Rocky Mt Lab  |
| Pacific Palisades, Will Rogers St Pk     | 01/05/00 | Males    | NEG    | 157         | 16         | 0         | IFA     | Rocky Mt Lab  |
| Palos Verdes                             | 01/29/01 | Adults   | NEG    | 17          | 2          | 0         | IFA     | Placer Co HD  |
| Palos Verdes, Bluff Cove                 | 03/10/00 | Adults   | POS    | 52          | 5          | 1         | IFA     | Placer Co HD  |
| Santa Catalina Island, Cape Canyon       | 03/13/03 | Adults   | NEG    | 41          | 4          | 0         | PCR     | US Army       |
| Santa Catalina Island, Echo Lake         | 03/13/03 | Adults   | NEG    | 49          | 5          | 0         | PCR     | US Army       |
| Santa Catalina Island, Thompson Reserv   | 03/13/03 | Adults   | NEG    | 8           | 2          | 0         | PCR     | US Army       |
| Santa Monica Mt Conservancy Parkland     | 03/28/02 | Adults   | NEG    | 114         | 12         | 0         | PCR     | US Army       |
| Santa Monica Mt. Thomas Guide 627/J7     | 02/19/99 | Females  | NEG    | 63          | 6          | 0         | IFA     | Rocky Mt Lab  |
| Santa Monica Mt. Thomas Guide 627/J7     | 02/19/99 | Males    | NEG    | 45          | 5          | 0         | IFA     | Rocky Mt Lab  |
| Santa Monica Mtns Con Greenbelt Entrance | 03/21/03 | Adults   | NEG    | 48          | 6          | 0         | PCR     | US Army       |
| Schabarum Regional Park                  | 02/16/90 | Adults   | NEG    | 50          | 5          | 0         | Culture | CDHS, MDL     |
| Schabarum Regional Park                  | 03/30/00 | Adults   | NEG    | 224         | 22         | 0         | DFA     | Orange Co VCD |
| Solstice Canyon                          | 03/19/91 | Adults   | NEG    | 51          | 5          | 0         | Culture | CDHS, MDL     |
| Solstice Canyon                          | 03/19/91 | Adults   | NEG    | 101         | 10         | 0         | Culture | CDHS, MDL     |
| Solstice Canyon Park                     | 03/20/89 | Adults   | NEG    | 4           | 1          | 0         | Culture | CDHS, MDL     |
| Spanish Canyon, near Monrovia Canyon PK  | 03/02/99 | Adults   | NEG    | 7           | 2          | 0         | IFA     | Orange Co VCD |
| Tapia Spur Trail                         | 02/26/99 | Females  | POS    | 28          | 3          | 1         | IFA     | Rocky Mt Lab  |
| Tapia Spur Trail                         | 02/26/99 | Males    | POS    | 37          | 4          | 2         | IFA     | Rocky Mt Lab  |
| Tapia State Park, Backbone Trail         | 03/21/02 | Adults   | NEG    | 2           | 2          | 0         | DFA     | CDHS, VBDS    |
| Tarzana, Caballero Canyon Fire Road      | 04/04/01 | Adults   | NEG    | 33          | 3          | 0         | PCR     | US Army       |
| Topanga Canyon St Park                   | 02/25/98 | Females  | NEG    | 23          | 2          | 0         | IFA     | Rocky Mt Lab  |
| Topanga Canyon St Park                   | 02/25/98 | Males    | NEG    | 27          | 3          | 0         | IFA     | Rocky Mt Lab  |
| Topanga Canyon St Park, TG 590/C6        | 03/06/98 | Females  | NEG    | 31          | 3          | 0         | IFA     | Rocky Mt Lab  |
| Topanga Canyon St Park, TG 590/C6        | 03/06/98 | Males    | NEG    | 25          | 3          | 0         | IFA     | Rocky Mt Lab  |
| Topanga Fire Road, TG 590/C6             | 02/12/99 | Females  | NEG    | 63          | 6          | 0         | IFA     | Rocky Mt Lab  |
| Topanga Fire Road, TG 590/C6             | 02/12/99 | Males    | NEG    | 69          | 7          | 0         | IFA     | Rocky Mt Lab  |
| Topanga St Park                          | 03/27/00 | Adults   | NEG    | 34          | 4          | 0         | IFA     | Placer Co HD  |
| Topanga St Park                          | 01/16/01 | Adults   | NEG    | 46          | 5          | 0         | IFA     | Placer Co HD  |
| Topanga St Park                          | 01/31/01 | Adults   | NEG    | 46          | 5          | 0         | IFA     | Placer Co HD  |
| Topanga St Park                          | 02/14/01 | Adults   | NEG    | 51          | 5          | 0         | IFA     | Placer Co HD  |
| Topanga St Park                          | 03/07/01 | Adults   | NEG    | 19          | 2          | 0         | IFA     | Placer Co HD  |
| Topanga St Park, TG 590/B5               | 04/29/98 | Females  | NEG    | 3           | 1          | 0         | IFA     | Rocky Mt Lab  |
| Topanga St Park, TG 590/B5               | 04/29/98 | Males    | NEG    | 4           | 1          | 0         | IFA     | Rocky Mt Lab  |
| Whittier                                 | 02/02/88 | Adults   | NEG    | 12          | 2          | 0         | Culture | CDHS, MDL     |
|  |          |          |        | <u>5769</u> | <u>862</u> | <u>19</u> |         |               |

| LOCATION                        | DATE     | SPECIMEN | RESULT | #POOLED    | #POOLS    | #POS TEST | LABORATORY   |
|---------------------------------|----------|----------|--------|------------|-----------|-----------|--------------|
| <b><u>Madera</u></b>            |          |          |        |            |           |           |              |
| Cascade Woods                   | 12/14/89 | Adults   | NEG    | 10         | 1         | 0 Culture | CDHS, MDL    |
| Mammoth Pool                    | 03/18/87 | Adults   | NEG    | 1          | 1         | 0 Culture | CDHS, MDL    |
| Northfork                       | 12/14/89 | Adults   | NEG    | 10         | 1         | 0 Culture | CDHS, MDL    |
| Oakhurst                        | 03/03/87 | Adults   | NEG    | 3          | 1         | 0 Culture | Rocky Mt Lab |
| Sierra NF, Bass Lake            | 03/02/87 | Adults   | NEG    | 20         | 1         | 0 Culture | Rocky Mt Lab |
| Sierra NF, Bass Lake            | 11/21/89 | Adults   | NEG    | 30         | 3         | 0 Culture | CDHS, MDL    |
| Sierra NF, Bass Lake            | 12/14/89 | Adults   | NEG    | 20         | 2         | 0 Culture | CDHS, MDL    |
| Sierra NF, Bass Lake            | 01/03/91 | Adults   | POS    | 41         | 4         | 1 Culture | CDHS, MDL    |
| Sierra NF, Bass Lake            | 01/25/91 | Adults   | NEG    | 61         | 6         | 0 Culture | CDHS, MDL    |
| Sierra NF, NW side of Bass Lake | 02/07/02 | Adults   | NEG    | 32         | 4         | 0 PCR     | US Army      |
| Sierra NF, Wishon Point CG      | 02/07/02 | Adults   | NEG    | 24         | 3         | 0 PCR     | US Army      |
|                                 |          |          |        | <u>252</u> | <u>27</u> | <u>1</u>  |              |

### **Marin**

- Burgdorfer, W, Lane, RS, Barbour, AG, Gresbrink RA, Anderson, JR. 1985. The western black-legged tick, *Ixodes pacificus*; a vector of *Borrelia burgdorferi*. American Journal of Tropical Medicine and Hygiene, 34 (5): 925-930. **Summary: 7/518 (1.4%) of adult *I. pacificus* ticks collected in Marin County tested positive for *B. burgdorferi* by direct fluorescent antibody.**
- Lane, RS, Burgdorfer, W. 1986. Potential role of native and exotic deer and their associated ticks (Acari: Ixodidae) in the ecology of Lyme disease in California, USA. 55 – 64. **Summary: 9/210 (4.3%) of adult *I pacificus* ticks collected from Point Reyes National Seashore tested positive for *B. burgdorferi* by direct fluorescent antibody.**
- Lane, RS, Burgdorfer, W. 1987. Transovarial and transtadial passage of *Borrelia burgdorferi* in the western black-legged tick, *Ixodes pacificus* (Acari: Ixodidae). American Journal of Tropical Medicine and Hygiene, 37 (1): 188-192. **Summary: 2/64 (3.1%) of adult *I pacificus* ticks collected at Point Reyes National Seashore tested positive for *B. burgdorferi* by indirect fluorescent antibody.**
- Lane, RS, Lavoie, PE. 1988. Lyme Borreliosis in California. Reprinted from Lyme Disease and Related Disorders Volume 539 of the annals of the New York Academy of Sciences. 192 – 203. **Summary: 1/340 (0.29%) of adult *I pacificus* ticks collected in Mill Valley and Point Reyes National Seashore tested positive for *B. burgdorferi* by direct fluorescent antibody.**
- Lane, RS, Pascocello, JA. 1989. Antigenic characteristics of *Borrelia burgdorferi* isolates from ixodid ticks in California. Journal of Clinical Microbiology 27 (10): 2344-2349. **Summary: 4/377 (1.06%) of adult *I pacificus* ticks collected in Marin County tested positive for *B. burgdorferi* by indirect fluorescent antibody.**
- Lane, RS, Stubbs, HA. 1990. Host-seeking behavior of adult *Ixodes pacificus* (Acari: Ixodidae) as determined by flagging vegetation. Journal of Medical Entomology 27(3): 282-287. **Summary: 3/159 (1.89%) of adult *I pacificus* ticks collected at Point Reyes National Seashore tested positive for *B. burgdorferi* by direct fluorescent antibody.**
- Lane, RS. 1992. *Borrelia burgdorferi* in ticks on Angel Island, California: Low risk of human infection. Bulletin for the Society of Vector Ecology 17 (1): 75 -82. **Summary: 4/1,464 (0.27%) adult *I pacificus* ticks and 0/25 (0%) *I. pacificus* subadults collected on Angel Island tested positive for *B. burgdorferi* by direct fluorescent antibody.**
- Li, X, Peavey, CA, Lane, RS. 2000. Density and spatial distribution of *Ixodes pacificus* (Acari: Ixodidae) in two recreational areas in north coastal California. American Journal of Tropical Medicine and Hygiene 62(3): 415-422. **Summary: 10/145 (6.9%) of adult *I. pacificus* ticks and 5/186 (2.7%) of nymphal *I. pacificus* ticks collected at the Audubon Canyon Ranch tested positive for *B. burgdorferi* by direct fluorescent antibody and culture.**

| LOCATION                         | DATE     | SPECIMEN | RESULT | #POOLED    | #POOLS     | #POS TEST | LABORATORY   |
|----------------------------------|----------|----------|--------|------------|------------|-----------|--------------|
| <b><u>Mariposa</u></b>           |          |          |        |            |            |           |              |
| El Portal, 3 mi E on Hyw 140     | 04/08/92 | Adults   | NEG    | 30         | 3          | 0 IFA     | Rocky Mt Lab |
| El Portal, Water Storage Tank Rd | 03/09/99 | Females  | NEG    | 31         | 3          | 0 IFA     | Rocky Mt Lab |
| El Portal, Water Storage Tank Rd | 03/09/99 | Males    | NEG    | 44         | 4          | 0 IFA     | Rocky Mt Lab |
| Mariposa                         | 11/30/89 | Adults   | NEG    | 18         | 2          | 0 Culture | CDHS, MDL    |
| Mariposa                         | 12/04/89 | Adults   | NEG    | 10         | 1          | 0 Culture | CDHS, MDL    |
| Mariposa                         | 01/09/90 | Adults   | POS    | 20         | 2          | 1 Culture | CDHS, MDL    |
| Miami Mountain                   | 12/12/89 | Adults   | NEG    | 10         | 1          | 0 Culture | CDHS, MDL    |
| Miami Mountain                   | 01/09/90 | Adults   | POS    | 30         | 3          | 3 Culture | CDHS, MDL    |
| Timber Lodge                     | 12/12/89 | Adults   | NEG    | 10         | 1          | 0 Culture | CDHS, MDL    |
| Yosemite NP, Wawona Campground   | 04/07/92 | Adults   | POS    | 50         | 5          | 1 IFA     | Rocky Mt Lab |
| Yosemite NP, Wawona Campground   | 03/08/95 | Adults   | POS    | 225        | 225        | 4 IFA     | Butte MVCD   |
| Yosemite NP, Yosemite Valley     | 04/07/92 | Adults   | NEG    | 4          | 1          | 0 IFA     | Rocky Mt Lab |
| Yosemite NP, Yosemite Valley     | 04/04/95 | Adults   | NEG    | 36         | 36         | 0 IFA     | Butte MVCD   |
|                                  |          |          |        | <u>518</u> | <u>287</u> | <u>9</u>  |              |

| LOCATION                | DATE     | SPECIMEN | RESULT | #POOLED     | #POOLS     | #POS TEST  | LABORATORY  |
|-------------------------|----------|----------|--------|-------------|------------|------------|-------------|
| <b><u>Mendocino</u></b> |          |          |        |             |            |            |             |
| Brooktrails             | 01/22/86 | Adults   | NEG    | 29          | 29         | 0 Culture  | CDHS, MDL   |
| Covelo                  | 11/04/86 | Adults   | NEG    | 27          | 27         | 0 Culture  | CDHS, MDL   |
| Cummings                | 01/20/87 | Adults   | NEG    | 18          | 18         | 0 Culture  | CDHS, MDL   |
| Hendy Woods SP          | 12/09/86 | Adults   | NEG    | 11          | 11         | 0 Culture  | CDHS, MDL   |
| Lake Mendocino          | 01/08/86 | Adults   | POS    | 53          | 5          | 1 Culture  | CDHS, MDL   |
| Lake Mendocino          | 03/14/89 | Adults   | POS    | 129         | 13         | 1 Culture  | CDHS, MDL   |
| Laytonville             | 03/25/86 | Adults   | POS    | 27          | 3          | 1 Culture  | CDHS, MDL   |
| Laytonville             | 10/27/86 | Adults   | NEG    | 6           | 6          | 0 Culture  | CDHS, MDL   |
| MacKerricher SP         | 01/23/86 | Adults   | NEG    | 9           | 9          | 0 Culture  | CDHS, MDL   |
| Manchester              | 04/03/85 | Adults   | NEG    | 8           | 8          | 0 Culture  | CDHS, MDL   |
| Manchester SB           | 01/24/85 | Adults   | NEG    | 28          | 28         | 0 Culture  | CDHS, MDL   |
| Piercy                  | 03/08/85 | Females  | NEG    | 5           | 5          | 0 Culture  | CDHS, MDL   |
| Piercy                  | 03/08/85 | Males    | NEG    | 6           | 6          | 0 Culture  | CDHS, MDL   |
| Piercy                  | 05/13/85 | Adults   | NEG    | 17          | 17         | 0 Culture  | CDHS, MDL   |
| Piercy                  | 10/27/86 | Adults   | NEG    | 8           | 8          | 0 Culture  | CDHS, MDL   |
| Potter Valley           | 07/01/88 | Nymphs   | POS    | 19          | 2          | 1 Culture  | CDHS, MDL   |
| Potter Valley           | 07/11/88 | Nymphs   | POS    | 79          | 8          | 1 Culture  | CDHS, MDL   |
| Potter Valley           | 03/29/89 | Adults   | NEG    | 210         | 21         | 0 IFA      | UC Berkeley |
| Potter Valley           | 03/18/92 | Nymphs   | POS    | 95          | 95         | 10 Culture | UC Berkeley |
| Potter Valley           | 04/20/92 | Nymphs   | POS    | 129         | 129        | 23 Culture | UC Berkeley |
| Potter Valley           | 05/04/92 | Adults   | POS    | 110         | 11         | 4 Culture  | UC Berkeley |
| Whale Gulch             | 03/08/85 | Adults   | POS    | 8           | 1          | 1 Culture  | CDHS, MDL   |
| Whitethorn              | 03/08/85 | Females  | NEG    | 8           | 1          | 0 Culture  | CDHS, MDL   |
| Whitethorn              | 03/08/85 | Males    | NEG    | 7           | 7          | 0 Culture  | CDHS, MDL   |
| Willits                 | 01/23/85 | Adults   | POS    | 33          | 3          | 1 Culture  | CDHS, MDL   |
| Willits                 | 11/05/86 | Adults   | POS    | 25          | 3          | 1 Culture  | CDHS, MDL   |
|                         |          |          |        | <u>1104</u> | <u>474</u> | <u>45</u>  |             |

| LOCATION                         | DATE     | SPECIMEN | RESULT | #POOLED    | #POOLS    | #POS TEST | LABORATORY |
|----------------------------------|----------|----------|--------|------------|-----------|-----------|------------|
| <b><u>Monterey</u></b>           |          |          |        |            |           |           |            |
| Andrew Molera SP                 | 01/25/90 | Adults   | NEG    | 50         | 5         | 0 Culture | CDHS, MDL  |
| Carmel Valley                    | 03/19/86 | Adults   | NEG    | 6          | 6         | 0 Culture | CDHS, MDL  |
| Fort Hunter Liggett              | 01/22/89 | Adults   | NEG    | 20         | 9         | 0 IFA     | US Army    |
| Fort Ord                         | 01/16/89 | Adults   | POS    | 22         | 9         | 1 IFA     | US Army    |
| Jacks Peak RP                    | 11/29/89 | Adults   | NEG    | 50         | 5         | 0 Culture | CDHS, MDL  |
| Los Padres NF, Arroyo Seco CG    | 03/23/00 | Adults   | NEG    | 67         | 14        | 0 PCR     | US Army    |
| Los Padres NF, Arroyo Seco CG    | 03/23/00 | Nymphs   | NEG    | 1          | 1         | 0 PCR     | US Army    |
| Los Padres NF, Arroyo Seco CG    | 01/04/01 | Adults   | NEG    | 157        | 17        | 0 PCR     | US Army    |
| Los Padres NF, Arroyo Seco Trail | 05/10/00 | Adults   | NEG    | 14         | 4         | 0 PCR     | US Army    |
|                                  |          |          |        | <u>387</u> | <u>70</u> | <u>1</u>  |            |

| LOCATION           | DATE     | SPECIME | RESULT | #POOLED    | #POOLS     | #POS TEST | LABORATORY |
|--------------------|----------|---------|--------|------------|------------|-----------|------------|
| <b><u>Napa</u></b> |          |         |        |            |            |           |            |
| Angwin             | 01/15/87 | Adults  | NEG    | 22         | 22         | 0 Culture | CDHS, MDL  |
| Boethe SP          | 12/11/85 | Adults  | NEG    | 54         | 54         | 0 Culture | CDHS, MDL  |
| Lake Berryessa     | 01/15/87 | Adults  | NEG    | 20         | 20         | 0 Culture | CDHS, MDL  |
| Oakville           | 01/08/85 | Adults  | POS    | 113        | 12         | 2 Culture | CDHS, MDL  |
|                    |          |         |        | <u>209</u> | <u>108</u> | <u>2</u>  |            |

| LOCATION                                | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS TEST | LABORATORY   |
|---|----------|---------|--------|------------|-----------|-----------|--------------|
| <b><u>Nevada</u></b>                    |          |         |        |            |           |           |              |
| Bridgeport                              | 03/17/88 | Adults  | NEG    | 80         | 8         | 0 Culture | CDHS, MDL    |
| Grass Valley                            | 03/17/88 | Adults  | POS    | 39         | 4         | 1 Culture | CDHS, MDL    |
| Nevada City                             | 03/03/88 | Adults  | NEG    | 47         | 5         | 0 Culture | CDHS, MDL    |
| Nevada City                             | 03/07/88 | Adults  | NEG    | 40         | 4         | 0 Culture | CDHS, MDL    |
| Nevada City                             | 03/18/88 | Adults  | POS    | 57         | 6         | 2 Culture | CDHS, MDL    |
| South Yuba River SP, Independence Trail | 05/09/00 | Adults  | POS    | 258        | 30        | 2 IFA     | Placer Co HD |
| South Yuba River SP, Independence Trail | 05/09/00 | Nymphs  | NEG    | 8          | 1         | 0 IFA     | Placer Co HD |
| South Yuba River SP, Pleasant Valley Rd | 05/09/00 | Adults  | POS    | 41         | 4         | 1 IFA     | Placer Co HD |
|   |          |         |        | <u>570</u> | <u>62</u> | <u>6</u>  |              |

| LOCATION               | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS TEST | LABORATORY |
|------------------------|----------|---------|--------|------------|-----------|-----------|------------|
| <b><u>Orange</u></b>   |          |         |        |            |           |           |            |
| Aliso-Wood Canyon Park | 02/06/91 | Adults  | NEG    | 50         | 5         | 0 Culture | CDHS, MDL  |
| Caspers RP             | 02/18/87 | Adults  | NEG    | 12         | 12        | 0 Culture | CDHS, MDL  |
| Caspers RP             | 02/05/91 | Adults  | NEG    | 52         | 5         | 0 Culture | CDHS, MDL  |
| Crystal Cove SP        | 02/17/87 | Adults  | NEG    | 28         | 28        | 0 Culture | CDHS, MDL  |
| Crystal Cove SP        | 11/01/89 | Adults  | NEG    | 38         | 4         | 0 Culture | CDHS, MDL  |
| Crystal Cove SP        | 02/04/91 | Adults  | NEG    | 52         | 5         | 0 Culture | CDHS, MDL  |
| San Clemente           | 02/05/91 | Adults  | NEG    | 50         | 5         | 0 Culture | CDHS, MDL  |
| San Clemente           | 05/05/91 | Adults  | POS    | 1          | 1         | 1 Culture | CDHS, MDL  |
| Silverado Canyon       | 04/10/90 | Adults  | NEG    | 81         | 8         | 0 Culture | CDHS, MDL  |
|                        |          |         |        | <u>364</u> | <u>73</u> | <u>1</u>  |            |

| LOCATION                             | DATE     | SPECIME | RESULT | #POOLED    | #POOLS     | #POS TEST | LABORATORY |
|--------------------------------------|----------|---------|--------|------------|------------|-----------|------------|
| <b><u>Placer</u></b>                 |          |         |        |            |            |           |            |
| Auburn                               | 04/06/89 | Adults  | POS    | 54         | 6          | 1 Culture | CDHS, MDL  |
| Auburn SRA                           | 04/06/89 | Adults  | POS    | 108        | 11         | 3 Culture | CDHS, MDL  |
| Auburn State Recreation Area         | 01/16/02 | Adults  | NEG    | 53         | 5          | 0 PCR     | US Army    |
| Auburn State Recreation Area         | 05/28/03 | Nymphs  | NEG    | 6          | 6          | 0 DFA     | S/Y MVCD   |
| Colfax                               | 06/17/03 | Nymphs  | NEG    | 27         | 27         | 0 DFA     | S/Y MVCD   |
| Drivers Flat                         | 02/14/02 | Adults  | NEG    | 88         | 9          | 0 PCR     | US Army    |
| Driver's Flat, Arburn St Pk Rec Area | 03/18/03 | Adults  | NEG    | 159        | 16         | 0 PCR     | US Army    |
| Driver's Flat, Auburn St Pk Rec Area | 12/19/02 | Adults  | NEG    | 120        | 14         | 0 PCR     | US Army    |
| Driver's Flat, Auburn St Pk Rec Area | 03/18/03 | Adults  | NEG    | 98         | 10         | 0 PCR     | US Army    |
| Foresthill                           | 04/19/86 | Adults  | NEG    | 15         | 15         | 0 Culture | CDHS, MDL  |
| Foresthill                           | 02/03/87 | Adults  | NEG    | 12         | 12         | 0 Culture | CDHS, MDL  |
|                                      |          |         |        | <u>740</u> | <u>131</u> | <u>4</u>  |            |

| LOCATION                         | DATE     | SPECIME | RESULT | #POOLED    | #POOLS     | #POS TEST | LABORATORY   |
|----------------------------------|----------|---------|--------|------------|------------|-----------|--------------|
| <b><u>Plumas</u></b>             |          |         |        |            |            |           |              |
| Plumas NF, Chambers Creek Trail  | 03/18/98 | Females | NEG    | 24         | 24         | 0 IFA     | Butte MVCD   |
| Plumas NF, Chambers Creek Trail  | 03/18/98 | Males   | NEG    | 35         | 35         | 0 IFA     | Butte MVCD   |
| Plumas NF, Rd 205 at Hwy 70      | 02/18/98 | Females | NEG    | 19         | 19         | 0 IFA     | Butte MVCD   |
| Plumas NF, Rd 205 at Hwy 70      | 02/18/98 | Males   | NEG    | 36         | 36         | 0 IFA     | Butte MVCD   |
| Plumas NF, Tobin, 1 mi N, Hwy 70 | 03/16/99 | Adults  | POS    | 40         | 4          | 1 IFA     | Rocky Mt Lab |
|                                  |          |         |        | <u>154</u> | <u>118</u> | <u>1</u>  |              |

| LOCATION                            | DATE     | SPECIMEN | RESULT | #POOLED | #POOLS | #POS TEST | LABORATORY   |
|-------------------------------------|----------|----------|--------|---------|--------|-----------|--------------|
| <b><u>Riverside</u></b>             |          |          |        |         |        |           |              |
| Cleveland NF, El Comso Trail        | 03/11/03 | Adults   | NEG    | 1       | 1      | 0 PCR     | US Army      |
| Cleveland NF, Ortega Mtns           | 03/14/01 | Adults   | NEG    | 41      | 4      | 0 PCR     | US Army      |
| Cleveland NF, Ortega Mtns           | 03/28/01 | Adults   | NEG    | 18      | 2      | 0 PCR     | US Army      |
| Cleveland NF, Ortega Mtns           | 04/11/01 | Adults   | NEG    | 24      | 2      | 0 PCR     | US Army      |
| Cleveland NF, Ortega Mtns.          | 11/05/00 | Adults   | NEG    | 13      | 2      | 0 PCR     | US Army      |
| Cleveland NF, Ortega Mtns.          | 12/13/00 | Adults   | NEG    | 8       | 1      | 0 PCR     | US Army      |
| Cleveland NF, Ortega Mtns.          | 12/27/00 | Adults   | NEG    | 2       | 1      | 0 PCR     | US Army      |
| Cleveland NF, Ortega Mtns.          | 01/10/01 | Adults   | NEG    | 16      | 2      | 0 PCR     | US Army      |
| Cleveland NF, Ortega Mtns.          | 01/31/01 | Adults   | NEG    | 5       | 1      | 0 PCR     | US Army      |
| Cleveland NF, Ortega Mtns.          | 02/27/01 | Adults   | NEG    | 1       | 1      | 0 PCR     | US Army      |
| Cleveland NF, White Rocks           | 02/24/03 | Adults   | NEG    | 21      | 2      | 0 PCR     | US Army      |
| Cleveland NF, White Rocks           | 03/18/03 | Adults   | NEG    | 11      | 2      | 0 PCR     | US Army      |
| Lawler COP                          | 05/06/91 | Adults   | NEG    | 12      | 1      | 0 Culture | CDHS, MDL    |
| Mountain Center                     | 03/18/87 | Adults   | NEG    | 13      | 13     | 0 Culture | CDHS, MDL    |
| San Bernardino NF, Cranston Station | 11/05/00 | Adults   | NEG    | 68      | 7      | 0 PCR     | US Army      |
| San Bernardino NF, Cranston Station | 11/05/00 | Adults   | NEG    | 33      | 3      | 0 PCR     | US Army      |
| San Bernardino NF, Cranston Station | 12/13/00 | Adults   | NEG    | 14      | 2      | 0 PCR     | US Army      |
| San Bernardino NF, Cranston Station | 12/27/00 | Adults   | NEG    | 14      | 2      | 0 PCR     | US Army      |
| San Bernardino NF, Cranston Station | 01/10/01 | Adults   | NEG    | 13      | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Cranston Station | 01/13/01 | Adults   | NEG    | 6       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Cranston Station | 02/14/01 | Adults   | NEG    | 1       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Cranston Station | 03/14/01 | Adults   | NEG    | 5       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Cranston Station | 03/28/01 | Adults   | NEG    | 7       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Cranston Station | 04/11/01 | Adults   | NEG    | 26      | 3      | 0 PCR     | US Army      |
| San Bernardino NF, Cranston Station | 04/25/01 | Adults   | NEG    | 7       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Gardner Valley   | 12/06/00 | Adults   | NEG    | 51      | 5      | 0 PCR     | US Army      |
| San Bernardino NF, Gardner Valley   | 12/20/00 | Adults   | NEG    | 21      | 2      | 0 PCR     | US Army      |
| San Bernardino NF, Gardner Valley   | 01/03/01 | Adults   | NEG    | 11      | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Gardner Valley   | 02/09/01 | Adults   | NEG    | 3       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Gardner Valley   | 02/21/01 | Adults   | NEG    | 77      | 8      | 0 PCR     | US Army      |
| San Bernardino NF, Gardner Valley   | 03/07/01 | Adults   | NEG    | 7       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Gardner Valley   | 03/21/01 | Adults   | NEG    | 35      | 4      | 0 PCR     | US Army      |
| San Bernardino NF, Gardner Valley   | 04/04/01 | Adults   | NEG    | 46      | 5      | 0 PCR     | US Army      |
| San Bernardino NF, Gardner Valley   | 04/18/01 | Adults   | NEG    | 15      | 2      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns  | 01/02/02 | Adults   | NEG    | 4       | 4      | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns. | 03/17/87 | Females  | NEG    | 4       | 4      | 0 Culture | CDHS, MDL    |
| San Bernardino NF, Santa Rosa Mtns. | 03/17/87 | Males    | NEG    | 4       | 4      | 0 Culture | CDHS, MDL    |
| San Bernardino NF, Santa Rosa Mtns. | 01/15/98 | Females  | NEG    | 38      | 4      | 0 IFA     | Rocky Mt Lab |
| San Bernardino NF, Santa Rosa Mtns. | 01/15/98 | Males    | NEG    | 46      | 5      | 0 IFA     | Rocky Mt Lab |
| San Bernardino NF, Santa Rosa Mtns. | 01/30/98 | Females  | NEG    | 8       | 1      | 0 IFA     | Rocky Mt lab |
| San Bernardino NF, Santa Rosa Mtns. | 01/30/98 | Males    | NEG    | 11      | 1      | 0 IFA     | Rocky Mt lab |
| San Bernardino NF, Santa Rosa Mtns. | 03/16/98 | Females  | NEG    | 35      | 4      | 0 IFA     | Rocky Mt Lab |
| San Bernardino NF, Santa Rosa Mtns. | 03/16/98 | Males    | NEG    | 29      | 3      | 0 IFA     | Rocky Mt Lab |
| San Bernardino NF, Santa Rosa Mtns. | 11/05/00 | Adults   | NEG    | 45      | 5      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 11/05/00 | Adults   | NEG    | 15      | 2      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 12/05/00 | Adults   | NEG    | 18      | 2      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 12/06/00 | Adults   | NEG    | 32      | 3      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 12/19/00 | Adults   | NEG    | 8       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 12/20/00 | Adults   | NEG    | 11      | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 01/03/01 | Adults   | NEG    | 7       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 01/09/01 | Adults   | NEG    | 19      | 2      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 01/09/01 | Adults   | NEG    | 8       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 02/06/01 | Adults   | NEG    | 45      | 5      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 02/21/01 | Adults   | NEG    | 36      | 4      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 03/05/01 | Adults   | NEG    | 6       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 03/20/01 | Adults   | NEG    | 11      | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 04/03/01 | Adults   | NEG    | 9       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 04/17/01 | Adults   | NEG    | 9       | 1      | 0 PCR     | US Army      |
| San Bernardino NF, Santa Rosa Mtns. | 11/07/01 | Adults   | NEG    | 5       | 5      | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns. | 11/21/01 | Adults   | NEG    | 9       | 9      | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns. | 12/05/01 | Adults   | NEG    | 3       | 3      | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns. | 12/19/01 | Adults   | NEG    | 5       | 5      | 0 DFA     | CDHS, VBDS   |

| LOCATION                                | DATE     | SPECIMEN | RESULT | #POOLED     | #POOLS     | #POS TEST | LABORATORY   |
|---|----------|----------|--------|-------------|------------|-----------|--------------|
| <b><u>Riverside (continued)</u></b>     |          |          |        |             |            |           |              |
| San Bernardino NF, Santa Rosa Mtns.     | 01/16/02 | Adults   | NEG    | 28          | 28         | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns.     | 02/06/02 | Adults   | NEG    | 3           | 3          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns.     | 02/20/02 | Adults   | NEG    | 26          | 26         | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns.     | 03/06/02 | Adults   | NEG    | 2           | 2          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns.     | 03/06/02 | Adults   | NEG    | 13          | 13         | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns.     | 03/22/02 | Adults   | NEG    | 12          | 12         | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns.     | 04/02/02 | Adults   | NEG    | 3           | 3          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns.     | 04/17/02 | Adults   | NEG    | 3           | 3          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Santa Rosa Mtns.     | 05/08/02 | Adults   | NEG    | 1           | 1          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Silent Valley        | 01/17/01 | Adults   | NEG    | 10          | 1          | 0 PCR     | US Army      |
| San Bernardino NF, Silent Valley        | 02/09/01 | Adults   | NEG    | 2           | 1          | 0 PCR     | US Army      |
| San Bernardino NF, Silent Valley        | 02/21/01 | Adults   | NEG    | 39          | 4          | 0 PCR     | US Army      |
| San Bernardino NF, Silent Valley        | 03/09/01 | Adults   | NEG    | 46          | 5          | 0 PCR     | US Army      |
| San Bernardino NF, Silent Valley        | 04/04/01 | Adults   | NEG    | 42          | 4          | 0 PCR     | US Army      |
| San Bernardino NF, Silent Valley        | 04/18/01 | Adults   | NEG    | 4           | 1          | 0 PCR     | US Army      |
| San Bernardino NF, Spittler Creek Trail | 11/07/01 | Adults   | NEG    | 9           | 9          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Spittler Creek Trail | 11/07/01 | Adults   | NEG    | 3           | 3          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Spittler Creek Trail | 12/05/01 | Adults   | NEG    | 6           | 6          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Spittler Creek Trail | 12/19/01 | Adults   | NEG    | 1           | 1          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Spittler Creek Trail | 01/16/02 | Adults   | NEG    | 12          | 12         | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Spittler Creek Trail | 02/06/02 | Adults   | NEG    | 2           | 2          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Spittler Creek Trail | 02/20/02 | Adults   | NEG    | 6           | 6          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Spittler Creek Trail | 03/06/02 | Adults   | NEG    | 4           | 4          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Spittler Creek Trail | 03/22/02 | Adults   | NEG    | 3           | 3          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Spittler Creek Trail | 04/17/02 | Adults   | NEG    | 13          | 13         | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Spittler Creek Trail | 05/08/02 | Adults   | NEG    | 4           | 4          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Spittler Peak Trail  | 11/21/01 | Adults   | NEG    | 6           | 6          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 03/18/87 | Adults   | NEG    | 23          | 23         | 0 Culture | CDHS, MDL    |
| San Bernardino NF, Thomas Mtns.         | 05/06/91 | Adults   | NEG    | 68          | 7          | 0 Culture | CDHS, MDL    |
| San Bernardino NF, Thomas Mtns.         | 05/06/91 | Adults   | NEG    | 33          | 3          | 0 Culture | CDHS, MDL    |
| San Bernardino NF, Thomas Mtns.         | 01/15/98 | Females  | NEG    | 23          | 2          | 0 IFA     | Rocky Mt Lab |
| San Bernardino NF, Thomas Mtns.         | 01/15/98 | Males    | NEG    | 20          | 2          | 0 IFA     | Rocky Mt Lab |
| San Bernardino NF, Thomas Mtns.         | 01/30/98 | Adults   | NEG    | 4           | 1          | 0 IFA     | Rocky Mt Lab |
| San Bernardino NF, Thomas Mtns.         | 11/07/01 | Adults   | NEG    | 13          | 13         | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 11/21/01 | Adults   | NEG    | 2           | 2          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 11/21/01 | Adults   | NEG    | 9           | 9          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 12/05/01 | Adults   | NEG    | 2           | 2          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 12/05/01 | Adults   | NEG    | 2           | 2          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 12/19/01 | Adults   | NEG    | 1           | 1          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 01/02/02 | Adults   | NEG    | 4           | 4          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 01/16/02 | Adults   | NEG    | 6           | 6          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 02/20/02 | Adults   | NEG    | 26          | 26         | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 03/06/02 | Adults   | NEG    | 13          | 13         | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 03/22/02 | Adults   | NEG    | 8           | 8          | 0 DFA     | CDHS, VBDS   |
| San Bernardino NF, Thomas Mtns.         | 04/17/02 | Adults   | NEG    | 5           | 5          | 0 DFA     | CDHS, VBDS   |
|   |          |          |        | <u>1691</u> | <u>475</u> | <u>0</u>  |              |

| LOCATION                 | DATE     | SPECIME | RESULT | #POOLED | #POOLS | #POS | TEST        | LABORATORY |
|--------------------------|----------|---------|--------|---------|--------|------|-------------|------------|
| <b><u>Sacramento</u></b> |          |         |        |         |        |      |             |            |
| Ancil Hoffman            | 12/12/01 | Adults  | NEG    | 1       | 1      | 0    | IFA         | S/Y MVCD   |
| Ancil Hoffman            | 01/22/03 | Adults  | NEG    | 1       | 1      | 0    | DFA,Culture | S/Y MVCD   |
| Fair Oaks                | 03/28/90 | Adults  | NEG    | 20      | 2      | 0    | Culture     | CDHS, MDL  |
| Folsom                   | 03/29/90 | Adults  | POS    | 36      | 3      | 1    | Culture     | CDHS, MDL  |
| Folsom                   | 03/30/90 | Adults  | POS    | 40      | 4      | 4    | Culture     | CDHS, MDL  |
| Folsom                   | 04/04/90 | Adults  | POS    | 25      | 2      | 1    | Culture     | CDHS, MDL  |
| Mississippi Bar          | 11/13/01 | Adults  | NEG    | 27      | 6      | 0    | IFA,Culture | S/Y MVCD   |
| Mississippi Bar          | 12/11/01 | Adults  | NEG    | 131     | 14     | 0    | IFA,Culture | S/Y MVCD   |
| Mississippi Bar          | 01/08/02 | Adults  | NEG    | 126     | 13     | 0    | IFA,Culture | S/Y MVCD   |
| Mississippi Bar          | 02/12/02 | Adults  | NEG    | 12      | 1      | 0    | IFA,Culture | S/Y MVCD   |
| Mississippi Bar          | 02/13/02 | Adults  | NEG    | 43      | 4      | 0    | IFA,Culture | S/Y MVCD   |
| Mississippi Bar          | 03/12/02 | Adults  | NEG    | 22      | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Mississippi Bar          | 11/19/02 | Adults  | NEG    | 74      | 6      | 0    | DFA,Culture | S/Y MVCD   |
| Mississippi Bar          | 12/17/02 | Adults  | NEG    | 21      | 4      | 0    | DFA,Culture | S/Y MVCD   |
| Mississippi Bar          | 01/14/03 | Adults  | NEG    | 40      | 5      | 0    | DFA,Culture | S/Y MVCD   |
| Mississippi Bar          | 02/11/03 | Adults  | NEG    | 103     | 9      | 0    | DFA,Culture | S/Y MVCD   |
| Mississippi Bar          | 03/18/03 | Adults  | NEG    | 25      | 2      | 1    | DFA,Culture | S/Y MVCD   |
| Mississippi Bar          | 04/15/03 | Adults  | NEG    | 1       | 1      | 0    | DFA,Culture | S/Y MVCD   |
| Negro Bar                | 11/19/01 | Adults  | NEG    | 9       | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Negro Bar                | 12/17/01 | Adults  | NEG    | 8       | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Negro Bar                | 02/19/02 | Adults  | NEG    | 6       | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Negro Bar                | 03/19/02 | Adults  | NEG    | 14      | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Negro Bar                | 04/16/02 | Adults  | NEG    | 13      | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Negro Bar                | 12/10/02 | Adults  | NEG    | 1       | 1      | 0    | DFA,Culture | S/Y MVCD   |
| Negro Bar                | 01/08/03 | Adults  | NEG    | 8       | 1      | 0    | DFA,Culture | S/Y MVCD   |
| Negro Bar                | 02/05/03 | Adults  | NEG    | 1       | 1      | 0    | DFA,Culture | S/Y MVCD   |
| Negro Bar                | 03/11/03 | Adults  | NEG    | 2       | 2      | 0    | DFA,Culture | S/Y MVCD   |
| Negro Bar                | 04/08/03 | Adults  | NEG    | 2       | 2      | 0    | DFA,Culture | S/Y MVCD   |
| Nimbus                   | 11/06/01 | Adults  | NEG    | 6       | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Nimbus                   | 12/05/01 | Adults  | NEG    | 41      | 5      | 0    | IFA,Culture | S/Y MVCD   |
| Nimbus                   | 01/04/02 | Adults  | NEG    | 16      | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Nimbus                   | 01/15/02 | Adults  | NEG    | 10      | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Nimbus                   | 01/25/02 | Adults  | NEG    | 2       | 1      | 0    | IFA,Culture | S/Y MVCD   |
| Nimbus                   | 03/05/02 | Adults  | NEG    | 5       | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Nimbus Dam               | 01/24/89 | Adults  | NEG    | 110     | 11     | 0    | Culture     | CDHS, MDL  |
| Nimbus Dam               | 04/02/02 | Adults  | NEG    | 1       | 1      | 0    | IFA,Culture | S/Y MVCD   |
| Nimbus Dam               | 11/26/02 | Adults  | NEG    | 27      | 3      | 0    | DFA,Culture | S/Y MVCD   |
| Nimbus Dam               | 12/23/02 | Adults  | NEG    | 2       | 1      | 0    | DFA,Culture | S/Y MVCD   |
| Nimbus Dam               | 01/08/03 | Adults  | NEG    | 1       | 1      | 0    | DFA,Culture | S/Y MVCD   |
| Nimbus Dam               | 01/14/03 | Adults  | NEG    | 11      | 1      | 0    | DFA,Culture | S/Y MVCD   |
| Nimbus Dam               | 01/22/03 | Adults  | NEG    | 39      | 4      | 0    | DFA,Culture | S/Y MVCD   |
| Nimbus Dam               | 02/26/03 | Adults  | NEG    | 9       | 2      | 1    | DFA,Culture | S/Y MVCD   |
| Nimbus Dam               | 03/25/03 | Adults  | NEG    | 5       | 2      | 0    | DFA,Culture | S/Y MVCD   |
| Nimbus Dam               | 04/21/03 | Adults  | NEG    | 2       | 1      | 0    | DFA,Culture | S/Y MVCD   |
| Snipes Park              | 11/20/01 | Adults  | NEG    | 102     | 22     | 2    | IFA,Culture | S/Y MVCD   |
| Snipes Park              | 12/17/01 | Adults  | NEG    | 26      | 3      | 0    | IFA,Culture | S/Y MVCD   |
| Snipes Park              | 01/15/02 | Adults  | NEG    | 13      | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Snipes Park              | 02/19/02 | Adults  | NEG    | 3       | 1      | 0    | IFA,Culture | S/Y MVCD   |
| Snipes Park              | 03/19/02 | Adults  | NEG    | 10      | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Snipes Park              | 04/16/02 | Adults  | NEG    | 5       | 2      | 0    | IFA,Culture | S/Y MVCD   |
| Snipes Park              | 11/19/02 | Adults  | NEG    | 28      | 3      | 0    | DFA,Culture | S/Y MVCD   |
| Snipes Park              | 12/17/02 | Adults  | NEG    | 8       | 3      | 0    | DFA,Culture | S/Y MVCD   |
| Snipes Park              | 01/14/03 | Adults  | NEG    | 22      | 2      | 0    | DFA,Culture | S/Y MVCD   |
| Snipes Park              | 02/05/03 | Adults  | NEG    | 3       | 2      | 0    | DFA,Culture | S/Y MVCD   |
| Snipes Park              | 03/18/03 | Adults  | NEG    | 5       | 2      | 0    | DFA,Culture | S/Y MVCD   |
| Snipes Park              | 04/15/03 | Adults  | NEG    | 1       | 1      | 0    | DFA,Culture | S/Y MVCD   |
| Snipes Park              | 05/20/03 | Adults  | NEG    | 1       | 1      | 0    | DFA,Culture | S/Y MVCD   |
| Willow Creek             | 11/06/01 | Adults  | NEG    | 12      | 3      | 0    | IFA,Culture | S/Y MVCD   |
| Willow Creek             | 01/04/02 | Adults  | NEG    | 1       | 1      | 0    | IFA,Culture | S/Y MVCD   |
| Willow Creek             | 02/05/02 | Adults  | NEG    | 1       | 1      | 0    | IFA,Culture | S/Y MVCD   |
| Willow Creek             | 03/05/02 | Adults  | NEG    | 15      | 2      | 0    | IFA,Culture | S/Y MVCD   |



| LOCATION                             | DATE     | SPECIME | RESULT | #POOLED     | #POOLS     | #POS      | TEST        | LABORATORY |
|--------------------------------------|----------|---------|--------|-------------|------------|-----------|-------------|------------|
| <b><u>Sacramento (continued)</u></b> |          |         |        |             |            |           |             |            |
| Willow Creek                         | 04/02/02 | Adults  | NEG    | 2           | 1          | 0         | IFA,Culture | S/Y MVCD   |
| Willow Creek                         | 05/08/02 | Adults  | NEG    | 2           | 2          | 0         | IFA,Culture | S/Y MVCD   |
| Willow Creek                         | 12/04/02 | Adults  | NEG    | 17          | 3          | 0         | IFA,Culture | S/Y MVCD   |
| Willow Creek                         | 12/10/02 | Adults  | NEG    | 2           | 2          | 0         | DFA,Culture | S/Y MVCD   |
| Willow Creek                         | 01/08/03 | Adults  | NEG    | 1           | 1          | 0         | DFA,Culture | S/Y MVCD   |
| Willow Creek                         | 02/05/03 | Adults  | NEG    | 4           | 2          | 0         | DFA,Culture | S/Y MVCD   |
| Willow Creek                         | 03/11/03 | Adults  | NEG    | 3           | 1          | 0         | DFA,Culture | S/Y MVCD   |
| Willow Creek                         | 04/08/03 | Adults  | NEG    | 4           | 2          | 0         | DFA,Culture | S/Y MVCD   |
| Willow Creek                         | 05/13/03 | Adults  | NEG    | 2           | 1          | 0         | DFA,Culture | S/Y MVCD   |
|                                      |          |         |        | <u>1392</u> | <u>206</u> | <u>10</u> |             |            |

| LOCATION                      | DATE     | SPECIME | RESULT | #POOLED    | #POOLS     | #POS     | TEST    | LABORATORY |
|-------------------------------|----------|---------|--------|------------|------------|----------|---------|------------|
| <b><u>San Benito</u></b>      |          |         |        |            |            |          |         |            |
| Beaver Dam Fire Station       | 02/08/91 | Adults  | POS    | 24         | 3          | 1        | Culture | CDHS, MDL  |
| Freemont Peak SP              | 11/28/89 | Adults  | NEG    | 50         | 5          | 0        | Culture | CDHS, MDL  |
| Hollister Hills SP            | 01/15/86 | Adults  | NEG    | 56         | 56         | 0        | Culture | CDHS, MDL  |
| Hollister Hills SP            | 01/20/87 | Adults  | NEG    | 29         | 29         | 0        | Culture | CDHS, MDL  |
| Pinnacles                     | 02/07/91 | Adults  | NEG    | 48         | 5          | 0        | Culture | CDHS, MDL  |
| Pinnacles NM                  | 01/19/87 | Adults  | NEG    | 4          | 4          | 0        | Culture | CDHS, MDL  |
| Pinnacles NM                  | 01/21/87 | Adults  | NEG    | 7          | 7          | 0        | Culture | CDHS, MDL  |
| San Benito River, Coalinga Rd | 01/24/90 | Adults  | NEG    | 40         | 4          | 0        | Culture | CDHS, MDL  |
|                               |          |         |        | <u>258</u> | <u>113</u> | <u>1</u> |         |            |

| LOCATION                                | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS     | TEST    | LABORATORY   |
|---|----------|---------|--------|------------|-----------|----------|---------|--------------|
| <b><u>San Bernardino</u></b>            |          |         |        |            |           |          |         |              |
| Cucamonga                               | 03/20/91 | Adults  | POS    | 21         | 2         | 2        | Culture | CDHS, MDL    |
| Devore                                  | 03/16/87 | Adults  | NEG    | 16         | 16        | 0        | Culture | CDHS, MDL    |
| Mill Creek Canyon                       | 03/17/87 | Adults  | NEG    | 9          | 9         | 0        | Culture | CDHS, MDL    |
| San Bernardino NF, 2N79 Penstook Rd     | 02/15/02 | Adults  | NEG    | 54         | 6         | 0        | PCR     | US Army      |
| San Bernardino NF, 2N79 Penstook Rd.    | 03/05/02 | Adults  | NEG    | 26         | 3         | 0        | PCR     | US Army      |
| San Bernardino NF, Edison/Hwy38         | 12/10/02 | Adults  | NEG    | 64         | 7         | 0        | PCR     | US Army      |
| San Bernardino NF, Joe Elliot Memo Tree | 12/09/02 | Adults  | NEG    | 20         | 2         | 0        | PCR     | US Army      |
| San Bernardino NF, Joe Elliot Trail     | 02/14/02 | Adults  | NEG    | 18         | 2         | 0        | PCR     | US Army      |
| San Bernardino NF, Joe Elliot Trail     | 02/15/02 | Adults  | NEG    | 38         | 4         | 0        | PCR     | US Army      |
| San Bernardino NF, Lytle Creek          | 03/19/03 | Adults  | NEG    | 15         | 2         | 0        | PCR     | US Army      |
| San Bernardino NF, Lytle Creek Area     | 12/09/02 | Adults  | NEG    | 20         | 2         | 0        | PCR     | US Army      |
| San Bernardino NF, Oak Glen             | 02/19/02 | Adults  | NEG    | 19         | 2         | 0        | PCR     | US Army      |
| San Bernardino NF, Sevaine Canyon Creek | 03/20/03 | Adults  | NEG    | 2          | 1         | 0        | PCR     | US Army      |
| San Bernardino NF, Silverwood Lake Rec  | 03/24/00 | Adults  | NEG    | 4          | 1         | 0        | PCR     | US Army      |
| Silver Lake                             | 03/16/87 | Adults  | NEG    | 11         | 11        | 0        | Culture | CDHS, MDL    |
| Silverwood Lake St Pk, Recreation Area  | 04/16/01 | Adults  | NEG    | 5          | 1         | 0        | IFA     | Rocky Mt Lab |
|   |          |         |        | <u>342</u> | <u>71</u> | <u>2</u> |         |              |

| LOCATION                | DATE     | SPECIME | RESULT | #POOLED | #POOLS | #POS | TEST | LABORATORY |
|-------------------------|----------|---------|--------|---------|--------|------|------|------------|
| <b><u>San Diego</u></b> |          |         |        |         |        |      |      |            |
| Camp Pendleton DOD      | 11/02/91 | Adults  | POS    | 2       | 2      | 1    | IFA  | US Army    |
| Camp Pendleton DOD      | 11/02/91 | Adults  | POS    | 14      | 14     | 4    | IFA  | US Army    |
| Camp Pendleton DOD      | 11/02/91 | Adults  | POS    | 1       | 1      | 1    | IFA  | US Army    |
| Camp Pendleton DOD      | 11/02/91 | Adults  | POS    | 3       | 3      | 1    | IFA  | US Army    |
| Camp Pendleton DOD      | 11/02/91 | Adults  | POS    | 4       | 4      | 3    | IFA  | US Army    |
| Camp Pendleton DOD      | 11/02/91 | Adults  | POS    | 1       | 1      | 1    | IFA  | US Army    |
| Camp Pendleton DOD      | 11/03/91 | Adults  | POS    | 12      | 12     | 3    | IFA  | US Army    |
| Camp Pendleton DOD      | 11/09/91 | Adults  | NEG    | 74      | 74     | 0    | IFA  | US Army    |
| Camp Pendleton DOD      | 11/09/91 | Adults  | NEG    | 12      | 12     | 0    | DFA  | US Army    |
| Camp Pendleton DOD      | 11/23/91 | Adults  | POS    | 2       | 2      | 1    | IFA  | US Army    |

| LOCATION | DATE | SPECIME | RESULT | #POOLED | #POOLS | #POS | TEST | LABORATORY |
|----------|------|---------|--------|---------|--------|------|------|------------|
|----------|------|---------|--------|---------|--------|------|------|------------|

**San Diego (continued)**

|                                  |          |         |     |            |            |           |         |              |
|----------------------------------|----------|---------|-----|------------|------------|-----------|---------|--------------|
| Camp Pendleton DOD               | 11/23/91 | Adults  | POS | 1          | 1          | 1         | IFA     | US Army      |
| Camp Pendleton DOD               | 11/23/91 | Adults  | POS | 1          | 1          | 1         | IFA     | US Army      |
| Camp Pendleton DOD               | 11/23/91 | Adults  | POS | 1          | 1          | 1         | IFA     | US Army      |
| Camp Pendleton DOD               | 11/23/91 | Adults  | POS | 10         | 10         | 1         | IFA     | US Army      |
| Camp Pendleton DOD               | 03/03/94 | Adults  | POS | 10         | 1          | 1         | Culture | San Diego Co |
| Cuyamaca Rancho SP               | 04/04/91 | Adults  | NEG | 28         | 3          | 0         | Culture | CDHS, MDL    |
| Cuyamaca Rancho SP               | 04/04/91 | Adults  | NEG | 31         | 3          | 0         | Culture | CDHS, MDL    |
| Cuyamaca Rancho SP               | 04/08/91 | Adults  | NEG | 29         | 3          | 0         | Culture | CDHS, MDL    |
| Cuyamaca Rancho SP               | 04/08/91 | Adults  | NEG | 20         | 2          | 0         | Culture | CDHS, MDL    |
| Cuyamaca State Park              | 04/16/95 | Adults  | POS | 10         | 1          | 1         | Culture | San Diego Co |
| De Luz                           | 02/25/87 | Females | NEG | 1          | 1          | 0         | Culture | CDHS, MDL    |
| De Luz                           | 03/02/90 | Adults  | NEG | 100        | 10         | 0         | Culture | CDHS, MDL    |
| Fallbrook                        | 05/12/95 | Adults  | POS | 10         | 1          | 1         | Culture | San Diego Co |
| Lake Morena COP                  | 04/08/91 | Adults  | NEG | 46         | 4          | 0         | Culture | CDHS, MDL    |
| Lake Morena COP                  | 04/09/91 | Adults  | NEG | 53         | 6          | 0         | Culture | CDHS, MDL    |
| Lake Whlford                     | 04/16/95 | Adults  | POS | 10         | 1          | 1         | Culture | San Diego Co |
| Lake Wohlford, TB 111013 & 111A2 | 01/21/98 | Females | NEG | 50         | 5          | 0         | IFA     | Rocky Mt Lab |
| Lake Wohlford, TB 111013 & 111A2 | 01/21/98 | Males   | NEG | 40         | 4          | 0         | IFA     | Rocky Mt Lab |
| Rancho Penasquitos Co Pk         | 01/22/98 | Females | NEG | 8          | 1          | 0         | IFA     | Rocky Mt lab |
| Rancho Penasquitos Co. Pk        | 03/23/94 | Adults  | POS | 10         | 1          | 1         | Culture | San Diego Co |
|                                  |          |         |     | <u>594</u> | <u>185</u> | <u>24</u> |         |              |

**San Joaquin**

|                                     |          |        |     |           |          |          |                      |  |
|-------------------------------------|----------|--------|-----|-----------|----------|----------|----------------------|--|
| Carnegie State Vehicular Recreation | 03/13/03 | Adults | NEG | 2         | 2        | 0        | DFA,Culture S/Y MVCD |  |
| Carnegie State Vehicular Recreation | 03/25/03 | Adults | NEG | 1         | 1        | 0        | DFA,Culture S/Y MVCD |  |
| Carnegie State Vehicular Recreation | 03/25/03 | Adults | NEG | 3         | 2        | 0        | DFA,Culture S/Y MVCD |  |
| Comanche                            | 02/04/03 | Adults | NEG | 14        | 2        | 0        | DFA,Culture S/Y MVCD |  |
| Comanche South Shore                | 03/13/03 | Adults | NEG | 7         | 2        | 0        | DFA,Culture S/Y MVCD |  |
|                                     |          |        |     | <u>27</u> | <u>9</u> | <u>0</u> |                      |  |

| LOCATION | DATE | SPECIME | RESULT | #POOLED | #POOLS | #POS | TEST | LABORATORY |
|----------|------|---------|--------|---------|--------|------|------|------------|
|----------|------|---------|--------|---------|--------|------|------|------------|

**San Luis Obispo**

|                                      |          |         |     |            |            |          |         |           |
|--------------------------------------|----------|---------|-----|------------|------------|----------|---------|-----------|
| Atascadero                           | 02/22/90 | Adults  | NEG | 18         | 18         | 0        | IFA     | County HD |
| Cambria                              | 03/22/88 | Adults  | NEG | 70         | 7          | 0        | Culture | CDHS, MDL |
| Cambria                              | 11/29/89 | Adults  | NEG | 30         | 3          | 0        | Culture | CDHS, MDL |
| El Chorro Environmental Sch.         | 10/26/89 | Adults  | NEG | 75         | 8          | 0        | Culture | CDHS, MDL |
| El Chorro Environmental Sch.         | 11/30/89 | Females | NEG | 15         | 15         | 0        | IFA     | County HD |
| El Chorro Environmental Sch.         | 11/30/89 | Males   | NEG | 15         | 15         | 0        | IFA     | County HD |
| El Chorro Environmental Sch.         | 02/22/90 | Adults  | NEG | 40         | 40         | 0        | IFA     | County HD |
| El Chorro Environmental Sch.         | 05/29/90 | Adults  | NEG | 10         | 1          | 0        | Culture | CDHS, MDL |
| Lopez Lake                           | 02/07/89 | Adults  | NEG | 95         | 10         | 0        | Culture | CDHS, MDL |
| Lopez Lake                           | 12/14/90 | Adults  | NEG | 70         | 7          | 0        | Culture | CDHS, MDL |
| Los Osos                             | 03/22/88 | Adults  | NEG | 72         | 7          | 0        | Culture | CDHS, MDL |
| Los Padres NF, Cerro Alto Campground | 11/27/90 | Adults  | NEG | 50         | 5          | 0        | Culture | CDHS, MDL |
| Los Padres NF, Cerro Alto Campground | 03/30/00 | Adults  | NEG | 130        | 27         | 0        | PCR     | US Army   |
| Los Padres NF, Cerro Alto Campground | 02/05/01 | Adults  | NEG | 100        | 10         | 0        | PCR     | US Army   |
| Montana de Oro SP                    | 11/26/90 | Adults  | NEG | 50         | 5          | 0        | Culture | CDHS, MDL |
| Pozo                                 | 11/25/90 | Adults  | NEG | 53         | 5          | 0        | Culture | CDHS, MDL |
| Santa Margarita Lake                 | 02/07/89 | Adults  | NEG | 51         | 5          | 0        | Culture | CDHS, MDL |
|                                      |          |         |     | <u>944</u> | <u>188</u> | <u>0</u> |         |           |

| LOCATION                | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS     | TEST    | LABORATORY |
|-------------------------|----------|---------|--------|------------|-----------|----------|---------|------------|
| <b><u>San Mateo</u></b> |          |         |        |            |           |          |         |            |
| Big Basin SP            | 02/19/87 | Adults  | NEG    | 27         | 27        | 0        | Culture | CDHS, MDL  |
| La Honda                | 03/23/88 | Adults  | POS    | 133        | 13        | 3        | Culture | CDHS, MDL  |
|                         |          |         |        | <u>160</u> | <u>40</u> | <u>3</u> |         |            |

| LOCATION                                 | DATE     | SPECIME | RESULT | #POOLED     | #POOLS     | #POS     | TEST    | LABORATORY   |
|--|----------|---------|--------|-------------|------------|----------|---------|--------------|
| <b><u>Santa Barbara</u></b>              |          |         |        |             |            |          |         |              |
| Carpinteria, Lillingston Canyon          | 03/24/03 | Adults  | NEG    | 24          | 2          | 0        | PCR     | US Army      |
| Gaviota SP                               | 12/13/89 | Adults  | NEG    | 100         | 10         | 0        | Culture | CDHS, MDL    |
| Gaviota SP                               | 11/28/90 | Adults  | NEG    | 50          | 5          | 0        | Culture | CDHS, MDL    |
| Goleta, Rancho La Patera                 | 03/26/03 | Adults  | NEG    | 19          | 2          | 0        | PCR     | US Army      |
| Hollister Ranch                          | 05/30/90 | Adults  | NEG    | 5           | 1          | 0        | Culture | CDHS, MDL    |
| Hollister Ranch, Allegria Rd             | 02/19/87 | Adults  | NEG    | 30          | 30         | 0        | Culture | CDHS, MDL    |
| Lake Cachuma Co Park, Camp Whittier      | 03/12/98 | Females | NEG    | 60          | 6          | 0        | IFA     | Rocky Mt Lab |
| Lake Cachuma Co Park, Camp Whittier      | 03/12/98 | Males   | NEG    | 65          | 6          | 0        | IFA     | Rocky Mt Lab |
| Los Padres NF, Freemont CG               | 12/18/89 | Adults  | NEG    | 40          | 40         | 0        | IFA     | SBlab        |
| Los Padres NF, Freemont CG               | 01/15/90 | Adults  | NEG    | 50          | 5          | 0        | IFA     | SBlab        |
| Los Padres NF, Romero Canyon             | 04/07/03 | Adults  | NEG    | 12          | 2          | 0        | PCR     | US Army      |
| Los Padres NF, Santa Barbara, Tunnel Rd. | 04/09/03 | Adults  | NEG    | 10          | 2          | 0        | PCR     | US Army      |
| Los Padres NF, W Fork Cold Springs Trail | 04/18/03 | Adults  | NEG    | 20          | 2          | 0        | PCR     | US Army      |
| Monticeto                                | 02/19/87 | Adults  | NEG    | 30          | 30         | 0        | Culture | CDHS, MDL    |
| Nojoqoui Falls COP                       | 11/01/89 | Adults  | NEG    | 7           | 7          | 0        | IFA     | KNlab        |
| Nojoqoui Falls COP                       | 11/08/89 | Adults  | NEG    | 10          | 10         | 0        | IFA     | SBlab        |
| Nojoqoui Falls COP                       | 12/19/89 | Adults  | NEG    | 60          | 60         | 0        | IFA     | SBlab        |
| Nojoqoui Falls COP                       | 01/14/90 | Adults  | NEG    | 30          | 3          | 0        | IFA     | SBlab        |
| Nojoqoui Falls COP                       | 05/10/90 | Adults  | NEG    | 10          | 1          | 0        | Culture | CDHS, MDL    |
| Nojoqoui Falls COP                       | 11/14/90 | Adults  | NEG    | 22          | 2          | 0        | Culture | CDHS, MDL    |
| Nojoqoui Falls COP                       | 11/28/90 | Adults  | NEG    | 30          | 3          | 0        | Culture | CDHS, MDL    |
| Rancho Alegre                            | 11/27/90 | Adults  | NEG    | 100         | 10         | 0        | Culture | CDHS, MDL    |
| S. B. Outdoor School                     | 05/10/90 | Nymphs  | NEG    | 16          | 2          | 0        | Culture | CDHS, MDL    |
| S. B. Outdoor School                     | 05/24/90 | Nymphs  | NEG    | 23          | 2          | 0        | Culture | CDHS, MDL    |
| S. B. Outdoor School                     | 06/05/90 | Nymphs  | NEG    | 13          | 1          | 0        | Culture | CDHS, MDL    |
| Santa Barbara                            | 02/19/87 | Adults  | NEG    | 30          | 30         | 0        | Culture | CDHS, MDL    |
| Santa Barbara, E Camino Cielo @ Knapp's  | 03/26/03 | Adults  | NEG    | 10          | 2          | 0        | PCR     | US Army      |
| Tucker Grove Park                        | 11/14/89 | Adults  | NEG    | 6           | 6          | 0        | IFA     | SBlab        |
| Vandenberg Air Force Base                | 02/08/95 | Females | POS    | 12          | 1          | 1        | PCR     | US Army      |
| Vandenberg Air Force Base                | 02/09/95 | Larvae  | POS    | 1           | 1          | 1        | PCR     | US Army      |
| Vandenberg Air Force Base                | 02/10/95 | Adults  | NEG    | 32          | 6          | 0        | PCR     | US Army      |
| Vandenberg Air Force Base                | 02/10/95 | Larvae  | NEG    | 94          | 19         | 0        | PCR     | US Army      |
| Vandenberg Air Force Base                | 02/10/95 | Nymphs  | NEG    | 23          | 5          | 0        | PCR     | US Army      |
| Vandenberg Air Force Base, DOD           | 04/26/88 | Adults  | NEG    | 35          | 4          | 0        | Culture | CDHS, MDL    |
|  |          |         |        | <u>1079</u> | <u>318</u> | <u>2</u> |         |              |

| LOCATION                  | DATE     | SPECIME | RESULT | #POOLED   | #POOLS   | #POS     | TEST    | LABORATORY |
|---------------------------|----------|---------|--------|-----------|----------|----------|---------|------------|
| <b><u>Santa Clara</u></b> |          |         |        |           |          |          |         |            |
| Mt Madonna COP            | 01/16/86 | Adults  | POS    | 54        | 5        | 1        | Culture | CDHS, MDL  |
|                           |          |         |        | <u>54</u> | <u>5</u> | <u>1</u> |         |            |

| LOCATION                 | DATE     | SPECIME | RESULT | #POOLED | #POOLS | #POS | TEST    | LABORATORY |
|--------------------------|----------|---------|--------|---------|--------|------|---------|------------|
| <b><u>Santa Cruz</u></b> |          |         |        |         |        |      |         |            |
| Bonny Doon               | 05/19/89 | Adults  | NEG    | 3       | 1      | 0    | Culture | CDHS, MDL  |
| Bonny Doon               | 05/19/89 | Nymphs  | NEG    | 2       | 1      | 0    | Culture | CDHS, MDL  |
| Camp Loma, 4-H           | 05/31/89 | Adults  | POS    | 46      | 5      | 1    | Culture | CDHS, MDL  |
| Camp Loma, 4-H           | 05/31/89 | Nymphs  | NEG    | 1       | 1      | 0    | Culture | CDHS, MDL  |
| Corralitos Lagoon        | 05/31/89 | Adults  | NEG    | 18      | 2      | 0    | Culture | CDHS, MDL  |
| Corralitos Lagoon        | 05/31/89 | Nymphs  | NEG    | 34      | 3      | 0    | Culture | CDHS, MDL  |
| Henry Cowell SP          | 02/19/87 | Adults  | NEG    | 39      | 39     | 0    | Culture | CDHS, MDL  |
| Laurel                   | 05/31/89 | Adults  | NEG    | 7       | 1      | 0    | Culture | CDHS, MDL  |
| Laurel                   | 05/31/89 | Nymphs  | NEG    | 3       | 1      | 0    | Culture | CDHS, MDL  |
| Nisene Marks State Park  | 01/30/03 | Adults  | NEG    | 20      | 2      | 0    | PCR     | US Army    |
| Nisene Marks State Park  | 02/18/03 | Adults  | NEG    | 44      | 5      | 0    | PCR     | US Army    |
| Nisene Marks, SP         | 02/18/87 | Adults  | NEG    | 6       | 6      | 0    | Culture | CDHS, MDL  |
| Seacliff                 | 04/21/89 | Adults  | NEG    | 11      | 1      | 0    | Culture | CDHS, MDL  |

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| LOCATION                                 | DATE     | SPECIME | RESULT | #POOLED | #POOLS | #POS | TEST    | LABORATORY   |
|--|----------|---------|--------|---------|--------|------|---------|--------------|
| <b><u>Shasta</u></b>                     |          |         |        |         |        |      |         |              |
| Bear Creek Bridge                        | 04/06/88 | Adults  | POS    | 14      | 2      | 1    | Culture | CDHS, MDL    |
| Bella Vista                              | 04/06/88 | Adults  | NEG    | 9       | 1      | 0    | Culture | CDHS, MDL    |
| Old Shasta                               | 03/22/88 | Adults  | NEG    | 8       | 1      | 0    | Culture | CDHS, MDL    |
| Shasta NF, 2.5 mi. W Castella            | 04/27/98 | Adults  | NEG    | 9       | 1      | 0    | IFA     | Rocky Mt Lab |
| Shasta NF, Fenders Flat, Fenders Ferry B | 03/14/01 | Adults  | NEG    | 30      | 3      | 0    | PCR     | US Army      |
| Shasta NF, Pollard Gulch Rec Area        | 04/27/99 | Adults  | POS    | 73      | 73     | 1    | IFA     | Butte MVCD   |
| Shasta NF, Potem Falls, Potem Creek      | 03/14/01 | Adults  | NEG    | 40      | 4      | 0    | PCR     | US Army      |
| Shasta NF, Shasta Lake, Bailey Cove CG   | 02/05/02 | Adults  | POS    | 29      | 29     | 1    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Bailey Cove CG   | 12/23/02 | Adults  | NEG    | 17      | 17     | 0    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Dekkas Rock      | 12/27/01 | Adults  | POS    | 33      | 33     | 1    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Dekkas Rock      | 02/26/02 | Adults  | POS    | 41      | 41     | 2    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Dekkas Rock      | 12/04/02 | Adults  | NEG    | 36      | 36     | 0    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Hirz Bay         | 02/18/03 | Adults  | POS    | 48      | 48     | 5    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Hirz Bay CG      | 12/11/01 | Adults  | NEG    | 29      | 29     | 0    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, McCloud Bridge   | 01/03/02 | Adults  | NEG    | 20      | 20     | 0    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Moore Creek      | 12/04/02 | Adults  | POS    | 33      | 33     | 1    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Moore Creek      | 03/18/03 | Adults  | POS    | 42      | 42     | 1    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Nelson Point     | 03/25/02 | Adults  | NEG    | 48      | 48     | 0    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Nelson Point     | 11/19/02 | Adults  | POS    | 91      | 91     | 2    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Packers Bay      | 11/26/02 | Adults  | NEG    | 41      | 41     | 0    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Packers Bay      | 02/21/03 | Adults  | POS    | 35      | 35     | 2    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Packers Bay      | 02/21/03 | Nymphs  | NEG    | 1       | 1      | 0    | IFA     | Washoe Co EH |
| Shasta NF, Shasta Lake, Pine Point       | 01/16/03 | Adults  | NEG    | 69      | 69     | 0    | IFA     | Washoe Co EH |
| Shasta NF, Trinity Mtn. Road             | 04/29/96 | Adults  | NEG    | 23      | 23     | 0    | IFA     | Butte MVCD   |
| Shasta NF, Vollmers                      | 03/23/88 | Adults  | NEG    | 16      | 2      | 0    | Culture | CDHS, MDL    |
| Shasta-Trinity Whiskeytown Nat Rec Area  | 02/26/03 | Adults  | NEG    | 90      | 10     | 0    | PCR     | US Army      |
| Whiskeytown                              | 02/06/02 | Adults  | NEG    | 29      | 29     | 0    | IFA     | Washoe Co EH |
| Whiskeytown Lake                         | 10/31/86 | Adults  | NEG    | 18      | 18     | 0    | Culture | CDHS, MDL    |
| Whiskeytown NRA                          | 03/25/88 | Adults  | NEG    | 16      | 2      | 0    | Culture | CDHS, MDL    |
| Whiskeytown Nat Recreation Area          | 01/16/92 | Adults  | NEG    | 35      | 35     | 0    | IFA     | Butte MVCD   |
| Whiskeytown Nat Recreation Area          | 03/02/92 | Adults  | NEG    | 13      | 1      | 0    | IFA     | Rocky Mt Lab |
| Whiskeytown Nat Recreation Area & Lake   | 02/28/92 | Adults  | NEG    | 130     | 13     | 0    | IFA     | Rocky Mt Lab |

1166      831      17

| LOCATION                   | DATE     | SPECIME | RESULT | #POOLED | #POOLS | #POS | TEST | LABORATORY |
|----------------------------|----------|---------|--------|---------|--------|------|------|------------|
| <b><u>Sierra</u></b>       |          |         |        |         |        |      |      |            |
| Tahoe NF, Indian Valley CG | 03/19/98 | Females | NEG    | 6       | 6      | 0    | IFA  | Butte MVCD |
| Tahoe NF, Indian Valley CG | 03/19/98 | Males   | NEG    | 9       | 9      | 0    | IFA  | Butte MVCD |
| Tahoe NF, Ramshorn CG      | 03/19/98 | Females | POS    | 38      | 4      | 1    | IFA  | Butte MVCD |
| Tahoe NF, Ramshorn CG      | 03/19/98 | Males   | POS    | 40      | 4      | 3    | IFA  | Butte MVCD |

93      23      4

| LOCATION                     | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS     | TEST    | LABORATORY |
|------------------------------|----------|---------|--------|------------|-----------|----------|---------|------------|
| <b><u>Siskiyou</u></b>       |          |         |        |            |           |          |         |            |
| Klamath NF, Greenhorn Creek  | 04/12/91 | Adults  | NEG    | 20         | 2         | 0        | Culture | CDHS, MDL  |
| Klamath NF, Indian Scotty CG | 04/12/91 | Adults  | NEG    | 32         | 3         | 0        | Culture | CDHS, MDL  |
| Klamath NF, O'Neil Creek CG  | 05/08/91 | Adults  | NEG    | 11         | 1         | 0        | Culture | CDHS, MDL  |
| Klamath NF, Seiad Valley     | 05/08/91 | Adults  | POS    | 51         | 5         | 1        | Culture | CDHS, MDL  |
|                              |          |         |        | <u>114</u> | <u>11</u> | <u>1</u> |         |            |

| LOCATION             | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS     | TEST    | LABORATORY     |
|----------------------|----------|---------|--------|------------|-----------|----------|---------|----------------|
| <b><u>Solano</u></b> |          |         |        |            |           |          |         |                |
| Fairfield RP         | 12/09/91 | Adults  | NEG    | 70         | 70        | 0        | IFA     | NY Med College |
| Mix Canyon           | 05/13/91 | Adults  | NEG    | 51         | 5         | 0        | Culture | CDHS, MDL      |
|                      |          |         |        | <u>121</u> | <u>75</u> | <u>0</u> |         |                |

| LOCATION                  | DATE     | SPECIME | RESULT | #POOLED    | #POOLS     | #POS      | TEST    | LABORATORY |
|---------------------------|----------|---------|--------|------------|------------|-----------|---------|------------|
| <b><u>Sonoma</u></b>      |          |         |        |            |            |           |         |            |
| Annadel SP                | 01/03/85 | Adults  | POS    | 103        | 10         | 1         | Culture | CDHS, MDL  |
| Annadel SP                | 12/05/85 | Adults  | POS    | 60         | 6          | 2         | Culture | CDHS, MDL  |
| Annadel SP                | 12/06/85 | Adults  | NEG    | 31         | 3          | 0         | Culture | CDHS, MDL  |
| Annadel SP                | 11/06/87 | Adults  | POS    | 99         | 10         | 1         | Culture | CDHS, MDL  |
| Armstrong Woods SP        | 12/03/85 | Adults  | POS    | 44         | 4          | 2         | Culture | CDHS, MDL  |
| Armstrong Woods SP        | 11/11/89 | Adults  | NEG    | 113        | 11         | 0         | Culture | CDHS, MDL  |
| Howarth CIP               | 12/05/85 | Adults  | NEG    | 14         | 14         | 0         | Culture | CDHS, MDL  |
| Jack London SP            | 01/03/86 | Adults  | NEG    | 45         | 45         | 0         | Culture | CDHS, MDL  |
| Mark West Springs         | 03/12/85 | Adults  | POS    | 37         | 4          | 2         | Culture | CDHS, MDL  |
| Santa Rosa                | 03/12/85 | Adults  | POS    | 22         | 2          | 1         | Culture | CDHS, MDL  |
| Santa Rosa                | 01/06/87 | Adults  | NEG    | 35         | 35         | 0         | Culture | CDHS, MDL  |
| Sea Ranch                 | 01/23/86 | Adults  | NEG    | 3          | 1          | 0         | Culture | CDHS, MDL  |
| Sonoma Development Center | 01/18/01 | Adults  | NEG    | 111        | 12         | 0         | PCR     | US Army    |
| Sonoma Development Center | 03/14/00 | Adults  | NEG    | 28         | 7          | 0         | PCR     | US Army    |
| Sonoma Development Center | 03/14/00 | Nymphs  | NEG    | 4          | 1          | 0         | PCR     | US Army    |
| Sonoma Development Center | 02/07/03 | Adults  | NEG    | 99         | 11         | 0         | PCR     | US Army    |
| Sonoma Development Center | 02/26/03 | Adults  | POS    | 69         | 7          | 2         | PCR     | US Army    |
| Sonoma Development Center | 05/28/03 | Adults  | NEG    | 5          | 2          | 0         | PCR     | US Army    |
| Sonoma Development Center | 05/28/03 | Nymphs  | NEG    | 27         | 3          | 0         | PCR     | US Army    |
| Spring Lake RP            | 12/09/85 | Adults  | NEG    | 36         | 36         | 0         | Culture | CDHS, MDL  |
|                           |          |         |        | <u>985</u> | <u>221</u> | <u>11</u> |         |            |

**Sutter**

Wright, SA, Lemenager, DA, McBride, RL, Brown DA, 2003. The western black-legged tick, *Ixodes pacificus*, in the Sutter Buttes. Journal of Vector Ecology 28 (2): 171-174. Summary: 3/89 (3.3%) adult *I. pacificus* tested positive for *B. burgdorferi*.

| LOCATION                      | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS     | TEST    | LABORATORY   |
|-------------------------------|----------|---------|--------|------------|-----------|----------|---------|--------------|
| <b><u>Tehama</u></b>          |          |         |        |            |           |          |         |              |
| Battle Creek                  | 03/12/90 | Adults  | NEG    | 28         | 3         | 0        | Culture | CDHS, MDL    |
| Battle Creek                  | 04/02/90 | Adults  | NEG    | 19         | 2         | 0        | Culture | CDHS, MDL    |
| Judd Creek                    | 04/02/90 | Adults  | NEG    | 34         | 3         | 0        | Culture | CDHS, MDL    |
| Lassen NF, Black Rock C G     | 04/30/96 | Adults  | POS    | 39         | 4         | 1        | IFA     | Butte MVCD   |
| Manton                        | 03/01/91 | Adults  | NEG    | 50         | 5         | 0        | Culture | CDHS, MDL    |
| Maple Creek, near Saddle Camp | 01/19/94 | Adults  | POS    | 10         | 1         | 1        | Culture | Rocky Mt Lab |
| Paynes Creek                  | 04/03/90 | Adults  | NEG    | 10         | 1         | 0        | Culture | CDHS, MDL    |
| Trinity NF, Pattymocus Butte  | 05/16/91 | Adults  | NEG    | 53         | 5         | 0        | Culture | CDHS, MDL    |
|                               |          |         |        | <u>243</u> | <u>24</u> | <u>2</u> |         |              |

| LOCATION                                | DATE     | SPECIME | RESULT | #POOLED    | #POOLS     | #POS     | TEST    | LABORATORY   |
|---|----------|---------|--------|------------|------------|----------|---------|--------------|
| <b><u>Trinity</u></b>                   |          |         |        |            |            |          |         |              |
| Camp Trail                              | 03/31/87 | Adults  | NEG    | 44         | 44         | 0        | Culture | CDHS, MDL    |
| Carrville                               | 04/14/89 | Adults  | NEG    | 18         | 2          | 0        | Culture | CDHS, MDL    |
| Douglas City                            | 04/14/89 | Adults  | NEG    | 29         | 3          | 0        | Culture | CDHS, MDL    |
| Douglas City, 1 mi W, Hwy 299W          | 02/27/03 | Adults  | NEG    | 73         | 8          | 0        | PCR     | US Army      |
| Douglas City, 2 mi E                    | 02/27/03 | Adults  | NEG    | 26         | 4          | 0        | PCR     | US Army      |
| Goose Ranch Road                        | 04/05/89 | Adults  | NEG    | 7          | 1          | 0        | Culture | CDHS, MDL    |
| Goose Ranch Road                        | 04/05/89 | Adults  | NEG    | 18         | 2          | 0        | Culture | CDHS, MDL    |
| Helena                                  | 03/23/87 | Adults  | NEG    | 10         | 10         | 0        | Culture | CDHS, MDL    |
| Lewiston                                | 02/25/03 | Adults  | NEG    | 52         | 6          | 0        | PCR     | US Army      |
| Little Browns Creek                     | 04/14/89 | Adults  | NEG    | 12         | 1          | 0        | Culture | CDHS, MDL    |
| Old Helena                              | 04/05/89 | Adults  | NEG    | 33         | 4          | 0        | Culture | CDHS, MDL    |
| Price Creek                             | 04/05/89 | Adults  | POS    | 25         | 3          | 1        | Culture | CDHS, MDL    |
| Trinity NF, 1.5 mi SW Hayfork Summit    | 02/27/03 | Adults  | NEG    | 75         | 8          | 0        | PCR     | US Army      |
| Trinity NF, Lewiston Lake               | 02/25/03 | Adults  | NEG    | 84         | 9          | 0        | PCR     | US Army      |
| Trinity NF, Lewiston Lake               | 02/25/03 | Adults  | NEG    | 22         | 2          | 0        | PCR     | US Army      |
| Trinity NF, Lewiston Lake               | 02/25/03 | Adults  | NEG    | 117        | 12         | 0        | PCR     | US Army      |
| Trinity NF, Stuart Fork, Trail Bridge   | 05/13/99 | Adults  | NEG    | 30         | 3          | 0        | IFA     | Rocky Mt Lab |
| Trinity NF, Trinity Lake                | 03/06/03 | Adults  | NEG    | 83         | 9          | 0        | PCR     | US Army      |
| Trinity NF, Trinity Lake                | 03/07/03 | Adults  | NEG    | 41         | 5          | 0        | PCR     | US Army      |
| Trinity NF, Trinity Lake, Stoney Pt. CG | 03/07/03 | Adults  | NEG    | 34         | 0          | 0        | IFA     | Washoe Co EH |
| Trinity NF, Weaverville, 6 mi n, 2 mi e | 05/13/99 | Adults  | NEG    | 25         | 3          | 0        | IFA     | Rocky Mt Lab |
| Weaverville                             | 04/06/89 | Adults  | POS    | 42         | 4          | 1        | Culture | CDHS, MDL    |
|   |          |         |        | <u>900</u> | <u>143</u> | <u>2</u> |         |              |

| LOCATION                            | DATE     | SPECIME | RESULT | #POOLED    | #POOLS     | #POS     | TEST    | LABORATORY   |
|-------------------------------------|----------|---------|--------|------------|------------|----------|---------|--------------|
| <b><u>Tulare</u></b>                |          |         |        |            |            |          |         |              |
| Badger                              | 12/17/86 | Adults  | NEG    | 1          | 1          | 0        | Culture | CDHS, MDL    |
| Badger                              | 12/17/86 | Adults  | NEG    | 11         | 11         | 0        | Culture | CDHS, MDL    |
| Clough Cave                         | 12/17/86 | Adults  | NEG    | 30         | 30         | 0        | Culture | CDHS, MDL    |
| Paradise Recreation Site, N Kaweah  | 11/15/00 | Adults  | NEG    | 7          | 1          | 0        | PCR     | US Army      |
| Sequoia NF                          | 07/06/88 | Nymphs  | NEG    | 3          | 1          | 0        | Culture | CDHS, MDL    |
| Sequoia NF, Bear Creek Trail        | 04/05/00 | Adults  | NEG    | 1          | 1          | 0        | PCR     | US Army      |
| Sequoia NF, Lake Kaweah             | 03/15/00 | Adults  | NEG    | 10         | 2          | 0        | PCR     | US Army      |
| Sequoia NF, Tule River              | 04/05/00 | Adults  | NEG    | 1          | 1          | 0        | PCR     | US Army      |
| Sequoia NF, Tule River              | 04/05/00 | Nymphs  | NEG    | 2          | 1          | 0        | PCR     | US Army      |
| Sequoia NP, Ash Mountain            | 02/18/87 | Adults  | POS    | 8          | 1          | 1        | Culture | Rocky Mt Lab |
| Sequoia NP, Ash Mountain            | 02/18/87 | Adults  | POS    | 20         | 2          | 1        | Culture | Rocky Mt Lab |
| Sequoia NP, Hospital Flat CG        | 01/24/02 | Adults  | NEG    | 71         | 7          | 0        | PCR     | US Army      |
| Sequoia NP, Hospital Rock CG        | 11/29/00 | Adults  | NEG    | 79         | 8          | 0        | PCR     | US Army      |
| Sequoia NP, Potwisha CG             | 11/29/00 | Adults  | POS    | 42         | 4          | 1        | PCR     | US Army      |
| Sequoia NP, Potwisha CG             | 01/24/02 | Adults  | NEG    | 103        | 10         | 0        | PCR     | US Army      |
| Sequoia NP, SE N. Frok Kaweah River | 11/15/00 | Adults  | NEG    | 35         | 7          | 0        | PCR     | US Army      |
| Three Rivers                        | 12/17/86 | Adults  | NEG    | 38         | 38         | 0        | Culture | CDHS, MDL    |
|                                     |          |         |        | <u>462</u> | <u>126</u> | <u>3</u> |         |              |

| LOCATION               | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS     | TEST    | LABORATORY |
|------------------------|----------|---------|--------|------------|-----------|----------|---------|------------|
| <b><u>Tuolumne</u></b> |          |         |        |            |           |          |         |            |
| Columbia               | 02/28/89 | Adults  | POS    | 56         | 6         | 1        | Culture | CDHS, MDL  |
| Columbia               | 03/22/89 | Adults  | POS    | 54         | 5         | 1        | Culture | CDHS, MDL  |
| Yankee Hill            | 04/10/87 | Adults  | NEG    | 20         | 20        | 0        | Culture | CDHS, MDL  |
|                        |          |         |        | <u>130</u> | <u>31</u> | <u>2</u> |         |            |

| LOCATION                      | DATE     | SPECIME | RESULT | #POOLED    | #POOLS    | #POS     | TEST    | LABORATORY |
|-------------------------------|----------|---------|--------|------------|-----------|----------|---------|------------|
| <b><u>Ventura</u></b>         |          |         |        |            |           |          |         |            |
| Arroyo Verde Park             | 12/08/88 | Adults  | NEG    | 29         | 3         | 0        | Culture | CDHS, MDL  |
| Arroyo Verde Park             | 01/04/90 | Adults  | NEG    | 17         | 2         | 0        | Culture | CDHS, MDL  |
| Arroyo Verde Park             | 01/19/90 | Adults  | NEG    | 50         | 5         | 0        | Culture | CDHS, MDL  |
| Arroyo Verde Park             | 01/07/91 | Adults  | NEG    | 100        | 10        | 0        | Culture | CDHS, MDL  |
| Los Padres NF, Cross Falls CG | 12/13/86 | Adults  | NEG    | 12         | 12        | 0        | Culture | CDHS, MDL  |
| Point Mugu SP                 | 01/07/91 | Adults  | NEG    | 50         | 5         | 0        | Culture | CDHS, MDL  |
| Santa Paula Creek             | 01/21/87 | Adults  | NEG    | 9          | 9         | 0        | Culture | CDHS, MDL  |
| Soule COP                     | 01/08/91 | Adults  | NEG    | 50         | 5         | 0        | Culture | CDHS, MDL  |
| Sycamore Canyon               | 12/13/89 | Adults  | NEG    | 38         | 4         | 0        | Culture | CDHS, MDL  |
|                               |          |         |        | <u>355</u> | <u>55</u> | <u>0</u> |         |            |

| LOCATION                           | DATE     | SPECIME | RESULT | #POOLED     | #POOLS     | #POS      | TEST              | LABORATORY   |
|------------------------------------|----------|---------|--------|-------------|------------|-----------|-------------------|--------------|
| <b><u>Yolo</u></b>                 |          |         |        |             |            |           |                   |              |
| Cache Creek                        | 04/21/99 | Adults  | POS    | 200         | 20         | 3         | IFA               | Rocky Mt Lab |
| Cache Creek                        | 05/13/99 | Nymphs  | POS    | 60          | 6          | 1         | Culture           | Rocky Mt Lab |
| Cache Creek                        | 11/27/01 | Adults  | NEG    | 179         | 36         | 4         | IFA, Culture      | S/Y MVCD     |
| Cache Creek                        | 12/26/01 | Adults  | POS    | 109         | 12         | 1         | IFA, Culture      | S/Y MVCD     |
| Cache Creek                        | 01/23/02 | Adults  | NEG    | 45          | 5          | 0         | IFA, Culture      | S/Y MVCD     |
| Cache Creek                        | 02/26/02 | Adults  | NEG    | 49          | 5          | 0         | IFA, Culture      | S/Y MVCD     |
| Cache Creek                        | 03/26/02 | Adults  | NEG    | 34          | 4          | 0         | IFA, Culture      | S/Y MVCD     |
| Cache Creek                        | 04/23/02 | Adults  | NEG    | 27          | 5          | 0         | IFA, Culture      | S/Y MVCD     |
| Cache Creek                        | 05/28/02 | Adults  | NEG    | 6           | 2          | 0         | IFA               | S/Y MVCD     |
| Cache Creek                        | 05/28/02 | Nymphs  | NEG    | 5           | 1          | 0         | IFA               | S/Y MVCD     |
| Cache Creek                        | 11/13/02 | Adults  | NEG    | 106         | 10         | 1         | DFA, Culture      | S/Y MVCD     |
| Cache Creek                        | 12/03/02 | Adults  | NEG    | 88          | 7          | 2         | DFA, Culture      | S/Y MVCD     |
| Cache Creek                        | 02/18/03 | Adults  | NEG    | 45          | 5          | 0         | DFA, Culture      | S/Y MVCD     |
| Cache Creek                        | 03/04/03 | Adults  | NEG    | 40          | 4          | 0         | DFA, Culture      | S/Y MVCD     |
| Cache Creek                        | 04/01/03 | Adults  | NEG    | 23          | 3          | 0         | DFA, Culture      | S/Y MVCD     |
| Cache Creek                        | 04/01/03 | Nymphs  | POS    | 2           | 1          | 1         | PCR, DFA, Culture | S/Y MVCD     |
| Cache Creek                        | 05/07/03 | Adults  | NEG    | 2           | 2          | 1         | PCR, DFA, Culture | S/Y MVCD     |
| Cache Creek                        | 06/03/03 | Adults  | NEG    | 3           | 2          | 0         | DFA, Culture      | S/Y MVCD     |
| Cache Creek Canyon RP              | 04/11/91 | Adults  | NEG    | 51          | 5          | 0         | Culture           | CDHS, MDL    |
| Cache Creek Canyon RP, Rayhouse Rd | 06/22/93 | Nymphs  | POS    | 47          | 5          | 1         | Culture           | CDHS, MDL    |
|                                    |          |         |        | <u>1121</u> | <u>140</u> | <u>14</u> |                   |              |

| LOCATION               | DATE     | SPECIME | RESULT | #POOLED   | #POOLS    | #POS     | TEST    | LABORATORY |
|------------------------|----------|---------|--------|-----------|-----------|----------|---------|------------|
| <b><u>Yuba</u></b>     |          |         |        |           |           |          |         |            |
| Tahoe NF, Camptonville | 03/19/98 | Females | POS    | 27        | 3         | 2        | IFA     | Butte MVCD |
| Tahoe NF, Camptonville | 03/19/98 | Males   | NEG    | 27        | 3         | 0        | IFA     | Butte MVCD |
| Tahoe NF, Sunset Vista | 03/19/98 | Females | NEG    | 4         | 4         | 0        | IFA     | Butte MVCD |
| Tahoe NF, Sunset Vista | 03/19/98 | Males   | NEG    | 7         | 7         | 0        | IFA     | Butte MVCD |
| Timbuctoo              | 03/08/88 | Adults  | NEG    | 11        | 1         | 0        | Culture | CDHS, MDL  |
|                        |          |         |        | <u>76</u> | <u>18</u> | <u>2</u> |         |            |



**Arnold Schwarzenegger**  
**Governor**  
**State of California**



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Sandra Shewry  
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