

## California Arbovirus Surveillance Bulletin #23

Week 36 Friday, September 11, 2026



### WEEKLY UPDATE

#### Humans

##### West Nile virus

A total of 39 new human cases of West Nile Virus (WNV) were reported this week in 10 counties: Butte (2), Fresno (3), Glenn (1), Los Angeles (26), Orange (1), Riverside (1), San Diego (2), Stanislaus (1), Tulare (1), and Yolo (1). In 2026, 126 human cases of WNV disease have been reported from 21 counties. Of the 126 case patients, 106 (84%) had neuroinvasive disease and 9 (7.1%) were fatal. The median age of case patients was 64 years and 77 (61%) of the case patients were male. The dates of symptom onset ranged from June 8 to September 3. In addition to the 126 cases of WNV disease, 16 asymptomatic WNV infections have been reported from 8 counties: Fresno (3), Kern (1), Los Angeles (4), Madera (1), San Diego (4), Shasta (1), Tulare (1), and Yolo (1). At this time last year, 31 human cases of WNV disease had been reported from 9 counties.

##### St. Louis encephalitis virus

There were no new human cases of St. Louis encephalitis virus (SLEV) reported this week. In 2026, 1 human case of SLEV has been reported from 1 county. At this time last year, no human cases of SLEV had been reported.

#### Dead Birds

A total of 64 new WNV positive dead birds were reported this week from 8 counties: Alameda (1), Los Angeles (4), Orange (40), Riverside (2), San Bernardino (1), San Diego (3), San Joaquin (4), and Santa Clara (9). In 2026, 574 WNV positive dead birds have been reported from 23 counties. At this time last year, 115 WNV positive dead birds had been reported from 17 counties.

#### Mosquito Pools

##### West Nile virus

A total of 193 new WNV positive mosquito pools were reported from 16 counties: Butte (1), Fresno (6), Kern (9), Los Angeles (42), Madera (10), Merced (5), Orange (36), Placer (2), Sacramento (7), San Bernardino (4), San Diego (17), San Joaquin (16), Shasta (1), Stanislaus (22), Tulare (5), and Yolo (10). In 2026, 3,424 WNV positive mosquito pools have been reported from 29 counties. At this time last year, 2,097 WNV positive mosquito pools had been reported from 27 counties.

##### St. Louis encephalitis virus

There were no new SLEV positive mosquito pools reported this week. In 2026, 4 SLEV positive mosquito pools have been reported from 3 counties: Imperial (1), Riverside (2), and Tulare (1). At this time last year, 89 SLEV positive mosquito pools had been reported from 27 counties.

#### Sentinel Chickens

A total of 24 new WNV positive sentinel chickens were reported this week from 7 counties: Butte (5), Contra Costa (1), Lake (2), Los Angeles (11), Sutter (3), Tehama (1), and Yuba (1). **This is the first WNV positive chicken reported from Contra Costa County this year.** In 2026, 138 WNV positive sentinel chickens have been reported from 10 counties. At this time last year, 26 positive chickens had been reported from 6 counties.

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| 2025 & 2026 YTD West Nile Virus Comparisons |                |                |
|---------------------------------------------|----------------|----------------|
|                                             | 2025           | 2026           |
| Total No. Dead Bird Reports                 | 6,294          | 7,987          |
| No. Positive Counties                       | 31             | 37             |
| No. Human Cases                             | 31             | 126            |
| No. Positive Dead Birds / No. Tested        | 115 / 1,379    | 574 / 1,814    |
| No. Positive Mosquito Pools / No. Tested    | 2,097 / 36,088 | 3,424 / 44,458 |
| No. Seroconversions / No. Tested            | 26 / 2,756     | 138 / 3,130    |

| YTD WNV Activity by Element and County, 2026 |            |           |            |                |                   |
|----------------------------------------------|------------|-----------|------------|----------------|-------------------|
| County                                       | Humans*    | Horses    | Dead Birds | Mosquito Pools | Sentinel Chickens |
| Alameda                                      |            |           | 36         | 9              |                   |
| Amador                                       |            | 1         |            |                |                   |
| Butte                                        | 13         |           |            | 38             | 31                |
| Colusa                                       |            |           |            | 1              | 4                 |
| Contra Costa                                 |            | 1         | 10         | 2              | 1                 |
| El Dorado                                    |            |           | 1          |                |                   |
| Fresno                                       | 12         | 1         | 3          | 129            |                   |
| Glenn                                        | 5          |           |            | 1              |                   |
| Imperial                                     |            |           |            | 7              |                   |
| Kern                                         | 1          |           |            | 113            |                   |
| Kings                                        | 6          | 1         |            | 83             |                   |
| Lake                                         |            |           |            | 5              | 3                 |
| Los Angeles                                  | 43         |           | 114        | 546            | 58                |
| Madera                                       | 1          |           | 3          | 523            |                   |
| Merced                                       | 1          | 1         | 2          | 81             |                   |
| Napa                                         |            |           | 1          |                |                   |
| Orange                                       | 7          |           | 76         | 738            |                   |
| Placer                                       |            | 1         | 8          | 110            |                   |
| Riverside                                    | 3          |           | 6          | 59             |                   |
| Sacramento                                   | 9          | 1         | 103        | 112            |                   |
| San Bernardino                               | 1          |           | 15         | 110            |                   |
| San Diego                                    | 3          |           | 41         | 56             |                   |
| San Joaquin                                  | 2          | 1         | 9          | 141            |                   |
| San Luis Obispo                              |            | 1         |            |                |                   |
| San Mateo                                    |            |           | 9          |                |                   |
| Santa Clara                                  | 1          |           | 105        | 3              |                   |
| Shasta                                       |            |           |            | 17             | 3                 |
| Solano                                       |            |           | 2          | 8              |                   |
| Sonoma                                       |            |           | 1          |                |                   |
| Stanislaus                                   | 6          | 1         |            | 142            |                   |
| Sutter                                       | 2          | 1         | 3          | 19             | 19                |
| Tehama                                       |            |           |            |                | 5                 |
| Tulare                                       | 5          |           |            | 284            | 9                 |
| Tuolumne                                     | 1          |           |            |                |                   |
| Ventura                                      |            |           | 6          | 1              |                   |
| Yolo                                         | 3          |           | 17         | 80             |                   |
| Yuba                                         | 1          |           | 3          | 6              | 5                 |
| <b>Totals</b>                                | <b>126</b> | <b>11</b> | <b>574</b> | <b>3,424</b>   | <b>138</b>        |

\*Asymptomatic infections are not included

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### TESTING SUMMARIES

|             |      | WNV | SLEV | WEEV |
|-------------|------|-----|------|------|
| Human Cases | Week | 39  | 0    | 0    |
|             | YTD  | 126 | 1    | 0    |

| Positive / Total Tested |      |      |      |      |      |
|-------------------------|------|------|------|------|------|
| WNV                     | SLEV | WEEV | CHIK | DENV | ZIKA |

| Dead Birds | Week | 64 / 93     |
|------------|------|-------------|
|            | YTD  | 574 / 1,814 |

| Chicken Sera | Week | 24 / 229    | 0 / 229   | 0 / 229   |
|--------------|------|-------------|-----------|-----------|
|              | YTD  | 138 / 3,130 | 0 / 3,130 | 0 / 3,130 |

| Mosquito Pools | Week | 193 / 1,725    | 0 / 1,241  | 0 / 1,241  | 0 / 43    | 0 / 43    | 0 / 43    |
|----------------|------|----------------|------------|------------|-----------|-----------|-----------|
|                | YTD  | 3,424 / 44,458 | 4 / 37,186 | 0 / 37,148 | 0 / 1,187 | 0 / 1,187 | 0 / 1,187 |

### POSITIVES

#### Dead Birds

| County      | Submitting Agency       | City             | Zip Code | Species                 | Date Reported | Virus |
|-------------|-------------------------|------------------|----------|-------------------------|---------------|-------|
| Alameda     | Alameda Co MAD          | Newark           | 94560    | American Crow           | 9/5/2026      | WNV   |
| Los Angeles | Tulare CAHFS            | Long Beach       | 90802    | Psittacine              | 8/10/2026     | WNV   |
| Los Angeles | Tulare CAHFS            | Long Beach       | 90802    | Psittacine              | 8/19/2026     | WNV   |
| Los Angeles | Tulare CAHFS            | Long Beach       | 90802    | Psittacine              | 8/20/2026     | WNV   |
| Los Angeles | San Gabriel Valley MVCD | West Covina      | 91790    | Unknown - Crow or Raven | 9/8/2026      | WNV   |
| Orange      | Orange Co VCD           | Stanton          | 92804    | American Crow           | 8/17/2026     | WNV   |
| Orange      | Orange Co VCD           | La Habra         | 90631    | House Finch             | 8/17/2026     | WNV   |
| Orange      | Orange Co VCD           | La Habra         | 90631    | American Crow           | 8/18/2026     | WNV   |
| Orange      | Orange Co VCD           | La Habra         | 90631    | American Crow           | 8/18/2026     | WNV   |
| Orange      | Orange Co VCD           | Brea             | 92821    | American Crow           | 8/18/2026     | WNV   |
| Orange      | Orange Co VCD           | Tustin           | 92782    | American Crow           | 8/18/2026     | WNV   |
| Orange      | Orange Co VCD           | Cypress          | 92801    | American Crow           | 8/18/2026     | WNV   |
| Orange      | Orange Co VCD           | Huntington Beach | 92647    | American Crow           | 8/20/2026     | WNV   |
| Orange      | Orange Co VCD           | Huntington Beach | 92647    | American Crow           | 8/20/2026     | WNV   |
| Orange      | Orange Co VCD           | Huntington Beach | 92649    | Cooper's Hawk           | 8/20/2026     | WNV   |
| Orange      | Orange Co VCD           | Anaheim          | 92801    | American Crow           | 8/21/2026     | WNV   |
| Orange      | Orange Co VCD           | Anaheim          | 92801    | American Crow           | 8/21/2026     | WNV   |
| Orange      | Orange Co VCD           | Huntington Beach | 92649    | American Crow           | 8/22/2026     | WNV   |
| Orange      | Orange Co VCD           | Tustin           | 92782    | American Crow           | 8/23/2026     | WNV   |
| Orange      | Orange Co VCD           | Costa Mesa       | 92627    | American Crow           | 8/24/2026     | WNV   |
| Orange      | Orange Co VCD           | Stanton          | 92804    | American Crow           | 8/25/2026     | WNV   |
| Orange      | Orange Co VCD           | Huntington Beach | 92647    | American Crow           | 8/25/2026     | WNV   |
| Orange      | Orange Co VCD           | Anaheim          | 92804    | American Crow           | 8/25/2026     | WNV   |
| Orange      | Orange Co VCD           | Anaheim          | 92802    | American Crow           | 8/26/2026     | WNV   |
| Orange      | Orange Co VCD           | Los Alamitos     | 90720    | American Crow           | 8/26/2026     | WNV   |

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|                |                                       |                  |       |                         |           |     |
|----------------|---------------------------------------|------------------|-------|-------------------------|-----------|-----|
| Orange         | Orange Co VCD                         | Fullerton        | 92831 | American Crow           | 8/26/2026 | WNV |
| Orange         | Orange Co VCD                         | Tustin           | 92782 | American Crow           | 8/27/2026 | WNV |
| Orange         | Orange Co VCD                         | Anaheim          | 92804 | American Crow           | 8/27/2026 | WNV |
| Orange         | Orange Co VCD                         | Orange           | 92868 | American Crow           | 8/27/2026 | WNV |
| Orange         | Orange Co VCD                         | Anaheim          | 92840 | American Crow           | 8/27/2026 | WNV |
| Orange         | Orange Co VCD                         | Lake Forest      | 92630 | American Crow           | 8/27/2026 | WNV |
| Orange         | Orange Co VCD                         | Fullerton        | 92835 | American Crow           | 8/27/2026 | WNV |
| Orange         | Orange Co VCD                         | Cypress          | 90630 | American Crow           | 8/27/2026 | WNV |
| Orange         | Orange Co VCD                         | Orange           | 92867 | American Crow           | 8/28/2026 | WNV |
| Orange         | Orange Co VCD                         | Rossmoor         | 90720 | American Crow           | 8/28/2026 | WNV |
| Orange         | Orange Co VCD                         | Huntington Beach | 92646 | American Crow           | 8/29/2026 | WNV |
| Orange         | Orange Co VCD                         | Los Alamitos     | 90720 | American Crow           | 8/30/2026 | WNV |
| Orange         | Orange Co VCD                         | Anaheim          | 92802 | American Crow           | 8/31/2026 | WNV |
| Orange         | Orange Co VCD                         | Anaheim          | 92804 | Cooper's Hawk           | 8/31/2026 | WNV |
| Orange         | Orange Co VCD                         | Huntington Beach | 92647 | American Crow           | 8/31/2026 | WNV |
| Orange         | Orange Co VCD                         | Garden Grove     | 92840 | American Crow           | 8/31/2026 | WNV |
| Orange         | Orange Co VCD                         | Anaheim          | 92804 | American Crow           | 8/31/2026 | WNV |
| Orange         | Orange Co VCD                         | Orange           | 92865 | American Crow           | 9/1/2026  | WNV |
| Orange         | Orange Co VCD                         | Orange           | 92866 | American Crow           | 9/1/2026  | WNV |
| Orange         | Orange Co VCD                         | Anaheim          | 92802 | American Crow           | 9/1/2026  | WNV |
| Riverside      | Northwest Mosquito VCD                | Corona           | 92882 | Chicken                 | 9/1/2026  | WNV |
| Riverside      | Northwest Mosquito VCD                | Corona           | 92880 | American Crow           | 9/2/2026  | WNV |
| San Bernardino | San Bernardino Vector Control Program | Fontana          | 92337 | Unknown - Crow or Raven | 8/31/2026 | WNV |
| San Diego      | San Diego Co VCP                      | La Mesa          | 91941 | American Crow           | 9/8/2026  | WNV |
| San Diego      | San Diego Co VCP                      | San Diego        | 92104 | American Crow           | 9/8/2026  | WNV |
| San Diego      | San Diego Co VCP                      | Coronado         | 92118 | American Crow           | 9/8/2026  | WNV |
| San Joaquin    | San Joaquin Co MVCD                   | Stockton         | 95209 | Unknown - Crow or Raven | 9/1/2026  | WNV |
| San Joaquin    | San Joaquin Co MVCD                   | Lockeford        | 95237 | Yellow-billed Magpie    | 9/4/2026  | WNV |
| Santa Clara    | Santa Clara Co VCD                    | Los Altos        | 94022 | American Crow           | 8/28/2026 | WNV |
| Santa Clara    | Santa Clara Co VCD                    | Palo Alto        | 94303 | American Crow           | 9/1/2026  | WNV |
| Santa Clara    | Santa Clara Co VCD                    | Palo Alto        | 94306 | American Crow           | 9/1/2026  | WNV |
| Santa Clara    | Santa Clara Co VCD                    | Palo Alto        | 94306 | American Crow           | 9/2/2026  | WNV |
| Santa Clara    | Santa Clara Co VCD                    | Santa Clara      | 95051 | American Crow           | 9/3/2026  | WNV |
| Santa Clara    | Santa Clara Co VCD                    | Mountain View    | 94040 | American Crow           | 9/4/2026  | WNV |
| Santa Clara    | Santa Clara Co VCD                    | Palo Alto        | 94303 | American Crow           | 9/7/2026  | WNV |
| Santa Clara    | Santa Clara Co VCD                    | San Jose         | 95123 | American Crow           | 9/8/2026  | WNV |
| Santa Clara    | Santa Clara Co VCD                    | San Jose         | 95129 | American Crow           | 9/8/2026  | WNV |

### Mosquito Pools

| County      | Site        | Pool No | Species             | City        | Pool Size | Trap   | Collected  | Virus |
|-------------|-------------|---------|---------------------|-------------|-----------|--------|------------|-------|
| Butte       | BUCO 16     | 429     | Cx tarsalis         | Durham      | 47        | CO2    | 09/02/2026 | WNV   |
| Fresno      | CNSL 4362   | 315     | Cx quinquefasciatus | Selma       | 50        | GRVD   | 09/02/2026 | WNV   |
| Fresno      | FRWS 1101   | 169     | Cx tarsalis         | Dos Palos   | 13        | CO2    | 09/09/2026 | WNV   |
| Fresno      | FRWS 1202   | 171     | Cx tarsalis         | Dos Palos   | 50        | CO2    | 09/09/2026 | WNV   |
| Fresno      | FRWS 220001 | 182     | Cx tarsalis         | Firebaugh   | 29        | CO2    | 09/09/2026 | WNV   |
| Fresno      | FRWS 300031 | 175     | Cx tarsalis         | Firebaugh   | 29        | CO2    | 09/09/2026 | WNV   |
| Fresno      | FRWS 4110   | 188     | Cx tarsalis         | Mendota     | 50        | CO2    | 09/09/2026 | WNV   |
| Kern        | DLNO 20     | 252     | Cx quinquefasciatus | Delano      | 43        | BGSENT | 09/03/2026 | WNV   |
| Kern        | DLNO 236    | 248     | Cx stigmatosoma     | Mcfarland   | 41        | CO2    | 09/03/2026 | WNV   |
| Kern        | DLNO 236    | 249     | Cx quinquefasciatus | Mcfarland   | 50        | CO2    | 09/03/2026 | WNV   |
| Kern        | DLNO 236    | 250     | Cx quinquefasciatus | Mcfarland   | 50        | CO2    | 09/03/2026 | WNV   |
| Kern        | DLNO 236    | 251     | Cx tarsalis         | Mcfarland   | 35        | CO2    | 09/03/2026 | WNV   |
| Kern        | KERN 2018   | 494     | Cx quinquefasciatus | Bakersfield | 23        | GRVD   | 09/04/2026 | WNV   |
| Kern        | KERN 2025   | 478     | Cx quinquefasciatus | Bakersfield | 50        | GRVD   | 09/02/2026 | WNV   |
| Kern        | KERN 3032   | 475     | Cx quinquefasciatus | Bakersfield | 50        | CO2    | 09/01/2026 | WNV   |
| Kern        | KERN 3034   | 482     | Cx quinquefasciatus | Bakersfield | 38        | GRVD   | 09/02/2026 | WNV   |
| Los Angeles | GRLA 2065   | 772     | Cx quinquefasciatus | Gardena     | 44        | GRVD   | 09/01/2026 | WNV   |
| Los Angeles | GRLA 2123   | 775     | Cx quinquefasciatus | Harbor City | 50        | GRVD   | 09/01/2026 | WNV   |
| Los Angeles | GRLA 2131   | 777     | Cx quinquefasciatus | Wilmington  | 22        | GRVD   | 09/01/2026 | WNV   |

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|             |             |      |                     |                  |    |        |            |     |
|-------------|-------------|------|---------------------|------------------|----|--------|------------|-----|
| Los Angeles | GRLA 2145   | 797  | Cx quinquefasciatus | Long Beach       | 50 | GRVD   | 09/04/2026 | WNV |
| Los Angeles | GRLA 2194   | 785  | Cx quinquefasciatus | South El Monte   | 19 | GRVD   | 09/02/2026 | WNV |
| Los Angeles | GRLA 2247   | 794  | Cx quinquefasciatus | Pico Rivera      | 50 | GRVD   | 09/03/2026 | WNV |
| Los Angeles | GRLA 2268   | 792  | Cx quinquefasciatus | Cerritos         | 25 | GRVD   | 09/03/2026 | WNV |
| Los Angeles | GRLA 2278   | 799  | Cx quinquefasciatus | Long Beach       | 42 | GRVD   | 09/04/2026 | WNV |
| Los Angeles | GRLA 2312   | 778  | Cx quinquefasciatus | San Pedro        | 29 | GRVD   | 09/01/2026 | WNV |
| Los Angeles | GRLA 2321   | 773  | Cx quinquefasciatus | Carson           | 50 | GRVD   | 09/01/2026 | WNV |
| Los Angeles | GRLA 2414   | 5804 | Cx quinquefasciatus | Granada Hills    | 50 | GRVD   | 09/03/2026 | WNV |
| Los Angeles | GRLA 2580   | 5795 | Cx quinquefasciatus | Sherman Oaks     | 15 | BGSENT | 09/03/2026 | WNV |
| Los Angeles | GRLA 2637   | 5800 | Cx quinquefasciatus | Van Nuys         | 50 | BGSENT | 09/03/2026 | WNV |
| Los Angeles | GRLA 2650   | 5799 | Cx quinquefasciatus | Van Nuys         | 38 | GRVD   | 09/03/2026 | WNV |
| Los Angeles | GRLA 2651   | 5797 | Cx quinquefasciatus | Sepulveda Basin  | 31 | GRVD   | 09/03/2026 | WNV |
| Los Angeles | GRLA 2758   | 802  | Cx quinquefasciatus | Downey           | 41 | GRVD   | 09/04/2026 | WNV |
| Los Angeles | GRLA 2811   | 5790 | Cx quinquefasciatus | Glendale         | 47 | GRVD   | 09/02/2026 | WNV |
| Los Angeles | GRLA 2957   | 800  | Cx quinquefasciatus | Hawaiian Gardens | 37 | GRVD   | 09/04/2026 | WNV |
| Los Angeles | GRLA 3034   | 5803 | Cx quinquefasciatus | North Hills      | 25 | BGSENT | 09/03/2026 | WNV |
| Los Angeles | GRLA 3036   | 5788 | Cx quinquefasciatus | Canoga Park      | 23 | GRVD   | 08/31/2026 | WNV |
| Los Angeles | GRLA 3040   | 788  | Cx quinquefasciatus | La Mirada        | 33 | GRVD   | 09/03/2026 | WNV |
| Los Angeles | GRLA 3044   | 784  | Cx quinquefasciatus | South El Monte   | 18 | GRVD   | 09/02/2026 | WNV |
| Los Angeles | GRLA 3045   | 779  | Cx quinquefasciatus | Whittier         | 43 | GRVD   | 09/02/2026 | WNV |
| Los Angeles | GRLA 3048   | 793  | Cx quinquefasciatus | Pico Rivera      | 29 | GRVD   | 09/03/2026 | WNV |
| Los Angeles | GRLA 3067   | 771  | Cx quinquefasciatus | Gardena          | 50 | GRVD   | 09/01/2026 | WNV |
| Los Angeles | GRLA 3068   | 776  | Cx quinquefasciatus | Wilmington       | 29 | GRVD   | 09/01/2026 | WNV |
| Los Angeles | GRLA 3089   | 5791 | Cx quinquefasciatus | Glendale         | 23 | GRVD   | 09/02/2026 | WNV |
| Los Angeles | SGVA 1006   | 640  | Cx quinquefasciatus | Walnut           | 50 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 1022   | 636  | Cx quinquefasciatus | Azusa            | 50 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 1071   | 622  | Cx quinquefasciatus | Monterey Park    | 50 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 15     | 628  | Cx quinquefasciatus | Glendora         | 50 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 291    | 620  | Cx quinquefasciatus | El Monte         | 50 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 297    | 619  | Cx quinquefasciatus | Monterey Park    | 50 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 450    | 617  | Cx quinquefasciatus | La Puente        | 50 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 458    | 630  | Cx quinquefasciatus | Covina           | 50 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 466    | 625  | Cx quinquefasciatus | Pasadena         | 35 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 62     | 632  | Cx quinquefasciatus | Covina           | 50 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 887    | 621  | Cx quinquefasciatus | Alhambra         | 48 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 898    | 631  | Cx quinquefasciatus | San Gabriel      | 31 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 915    | 633  | Cx quinquefasciatus | San Dimas        | 50 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 953    | 626  | Cx quinquefasciatus | Covina           | 50 | GRVD   | 09/09/2026 | WNV |
| Los Angeles | SGVA 956    | 643  | Cx quinquefasciatus | Walnut           | 32 | GRVD   | 09/09/2026 | WNV |
| Madera      | MADR 12364  | 1521 | Cx tarsalis         | Madera           | 50 | CO2    | 09/09/2026 | WNV |
| Madera      | MADR 12369  | 1557 | Cx tarsalis         | Madera, Ca       | 50 | CO2    | 09/11/2026 | WNV |
| Madera      | MADR 12394  | 1515 | Cx tarsalis         | Firebaugh        | 50 | CO2    | 09/09/2026 | WNV |
| Madera      | MADR 12618  | 1549 | Cx quinquefasciatus | Madera Acres     | 18 | CO2    | 09/11/2026 | WNV |
| Madera      | MADR 12623  | 1501 | Cx tarsalis         | La Vina          | 50 | CO2    | 09/09/2026 | WNV |
| Madera      | MADR 12632  | 1533 | Cx tarsalis         | Mendota          | 50 | CO2    | 09/10/2026 | WNV |
| Madera      | MADR 15     | 1546 | Cx tarsalis         | Madera           | 50 | CO2    | 09/10/2026 | WNV |
| Madera      | MADR 276    | 1518 | Cx tarsalis         | Madera           | 50 | CO2    | 09/09/2026 | WNV |
| Madera      | MADR 750    | 1527 | Cx tarsalis         | Firebaugh        | 50 | CO2    | 09/10/2026 | WNV |
| Madera      | MADR 762    | 1554 | Cx tarsalis         | Madera           | 30 | CO2    | 09/11/2026 | WNV |
| Merced      | MERC 426446 | 619  | Cx tarsalis         | Winton           | 14 | BGSENT | 09/09/2026 | WNV |
| Merced      | MERC 431651 | 604  | Cx tarsalis         | Gustine          | 24 | BGSENT | 09/02/2026 | WNV |
| Merced      | MERC 636427 | 639  | Cx pipiens          | Hilmar           | 50 | BGSENT | 09/10/2026 | WNV |
| Merced      | MERC 791915 | 642  | Cx pipiens          | Hilmar-Irwin     | 34 | BGSENT | 09/10/2026 | WNV |
| Merced      | MERC 832489 | 624  | Cx tarsalis         | Cressey          | 23 | BGSENT | 09/10/2026 | WNV |
| Orange      | ORCO 1009   | 3386 | Cx quinquefasciatus | Garden Grove     | 29 | GRVD   | 09/01/2026 | WNV |
| Orange      | ORCO 1006   | 3569 | Cx quinquefasciatus | Cypress          | 1  | GRVD   | 09/09/2026 | WNV |
| Orange      | ORCO 1009   | 3482 | Cx quinquefasciatus | Garden Grove     | 44 | GRVD   | 09/03/2026 | WNV |
| Orange      | ORCO 1009   | 3506 | Cx quinquefasciatus | Garden Grove     | 45 | GRVD   | 09/03/2026 | WNV |
| Orange      | ORCO 1015   | 3478 | Cx quinquefasciatus | Orange           | 42 | GRVD   | 09/03/2026 | WNV |
| Orange      | ORCO 1015   | 3480 | Cx quinquefasciatus | Orange           | 35 | GRVD   | 09/03/2026 | WNV |
| Orange      | ORCO 1015   | 3485 | Cx quinquefasciatus | Orange           | 38 | GRVD   | 09/03/2026 | WNV |

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|                |             |       |                     |                         |    |        |            |     |
|----------------|-------------|-------|---------------------|-------------------------|----|--------|------------|-----|
| Orange         | ORCO 1015   | 3486  | Cx quinquefasciatus | Orange                  | 30 | GRVD   | 09/03/2026 | WNV |
| Orange         | ORCO 1015   | 3487  | Cx quinquefasciatus | Orange                  | 24 | GRVD   | 09/03/2026 | WNV |
| Orange         | ORCO 1015   | 3493  | Cx quinquefasciatus | Orange                  | 27 | GRVD   | 09/03/2026 | WNV |
| Orange         | ORCO 1015   | 3498  | Cx quinquefasciatus | Orange                  | 46 | GRVD   | 09/03/2026 | WNV |
| Orange         | ORCO 1015   | 3532  | Cx quinquefasciatus | Orange                  | 13 | GRVD   | 09/04/2026 | WNV |
| Orange         | ORCO 1015   | 3534  | Cx quinquefasciatus | Orange                  | 4  | GRVD   | 09/04/2026 | WNV |
| Orange         | ORCO 1021   | 3549  | Cx quinquefasciatus | Tustin                  | 22 | GRVD   | 09/09/2026 | WNV |
| Orange         | ORCO 1021   | 3556  | Cx quinquefasciatus | Tustin                  | 26 | GRVD   | 09/09/2026 | WNV |
| Orange         | ORCO 1021   | 3561  | Cx quinquefasciatus | Tustin                  | 51 | GRVD   | 09/09/2026 | WNV |
| Orange         | ORCO 1023   | 3539  | Cx quinquefasciatus | Villa Park              | 10 | GRVD   | 09/04/2026 | WNV |
| Orange         | ORCO 1031   | 3557  | Cx quinquefasciatus | Los Alamitos            | 4  | GRVD   | 09/09/2026 | WNV |
| Orange         | ORCO 1033   | 3598  | Cx quinquefasciatus | Tustin                  | 20 | GRVD   | 09/09/2026 | WNV |
| Orange         | ORCO 208    | 3645  | Cx quinquefasciatus | Santa Ana               | 26 | CO2    | 09/10/2026 | WNV |
| Orange         | ORCO 238    | 3640  | Cx quinquefasciatus | Anaheim                 | 25 | GRVD   | 09/10/2026 | WNV |
| Orange         | ORCO 29     | 3638  | Cx quinquefasciatus | Santa Ana               | 18 | GRVD   | 09/10/2026 | WNV |
| Orange         | ORCO 29     | 3642  | Cx quinquefasciatus | Santa Ana               | 34 | CO2    | 09/10/2026 | WNV |
| Orange         | ORCO 300    | 3572  | Cx quinquefasciatus | Westminster             | 12 | GRVD   | 09/09/2026 | WNV |
| Orange         | ORCO 302    | 3584  | Cx quinquefasciatus | Anaheim                 | 9  | GRVD   | 09/09/2026 | WNV |
| Orange         | ORCO 323    | 3610  | Cx quinquefasciatus | Buena Park              | 18 | GRVD   | 09/09/2026 | WNV |
| Orange         | ORCO 324    | 3612  | Cx quinquefasciatus | Los Alamitos            | 13 | BGSENT | 09/09/2026 | WNV |
| Orange         | ORCO 326    | 3593  | Cx quinquefasciatus | La Habra                | 12 | BGSENT | 09/09/2026 | WNV |
| Orange         | ORCO 329    | 3578  | Cx quinquefasciatus | Fullerton               | 6  | GRVD   | 09/09/2026 | WNV |
| Orange         | ORCO 337    | 3590  | Cx quinquefasciatus | Anaheim                 | 18 | BGSENT | 09/09/2026 | WNV |
| Orange         | ORCO 343    | 3600  | Cx quinquefasciatus | Orange                  | 10 | GRVD   | 09/09/2026 | WNV |
| Orange         | ORCO 353    | 3510  | Cx quinquefasciatus | Fountain Valley         | 17 | GRVD   | 09/03/2026 | WNV |
| Orange         | ORCO 355    | 3502  | Cx quinquefasciatus | Huntington Beach        | 21 | GRVD   | 09/03/2026 | WNV |
| Orange         | ORCO 356    | 3523  | Cx quinquefasciatus | Costa Mesa              | 32 | GRVD   | 09/03/2026 | WNV |
| Orange         | ORCO 370    | 3617  | Cx quinquefasciatus | Santa Ana               | 13 | BGSENT | 09/09/2026 | WNV |
| Orange         | ORCO 82     | 3604  | Cx quinquefasciatus | Cypress                 | 9  | GRVD   | 09/09/2026 | WNV |
| Placer         | PLCR 1114   | 2606  | Cx tarsalis         | Lincoln                 | 50 | CO2    | 09/08/2026 | WNV |
| Placer         | PLCR 951847 | 2637  | Cx stigmatosoma     | Rocklin                 | 14 | CO2    | 09/09/2026 | WNV |
| Sacramento     | SAYO 214006 | 4128  | Cx pipiens          | Rancho Cordova          | 5  | GRVD   | 08/06/2026 | WNV |
| Sacramento     | SAYO 255007 | 4112  | Cx pipiens          | Herald                  | 2  | CO2    | 08/06/2026 | WNV |
| Sacramento     | SAYO 255007 | 4113  | Cx tarsalis         | Herald                  | 4  | CO2    | 08/06/2026 | WNV |
| Sacramento     | SAYO 233079 | 5343  | Cx pipiens          | Elk Grove               | 18 | CO2    | 09/09/2026 | WNV |
| Sacramento     | SAYO 233103 | 5302  | Cx pipiens          | Elk Grove               | 7  | CO2    | 09/09/2026 | WNV |
| Sacramento     | SAYO 446245 | 5264  | Cx pipiens          | Sacramento              | 16 | CO2    | 09/09/2026 | WNV |
| Sacramento     | SAYO 446245 | 5265  | Cx tarsalis         | Sacramento              | 48 | CO2    | 09/09/2026 | WNV |
| San Bernardino | SANB 348    | 329   | Cx quinquefasciatus | Redlands                | 27 | GRVD   | 09/04/2026 | WNV |
| San Bernardino | SANB 66     | 322   | Cx quinquefasciatus | Grand Terrace           | 25 | GRVD   | 09/02/2026 | WNV |
| San Bernardino | WVAL 127    | 2210  | Cx quinquefasciatus | Ontario                 | 12 | GRVD   | 09/09/2026 | WNV |
| San Bernardino | WVAL 2247   | 2188  | Cx quinquefasciatus | Chino                   | 50 | BGSENT | 09/09/2026 | WNV |
| San Diego      | SAND 25173  | 20690 | Cx quinquefasciatus | San Diego               | 15 | GRVD   | 09/01/2026 | WNV |
| San Diego      | SAND 25447  | 20749 | Cx quinquefasciatus | Coronado                | 14 | GRVD   | 09/04/2026 | WNV |
| San Diego      | SAND 25450  | 20706 | Cx quinquefasciatus | Casa De Oro-Mount Helix | 15 | GRVD   | 09/01/2026 | WNV |
| San Diego      | SAND 25484  | 20684 | Cx quinquefasciatus | El Cajon                | 6  | GRVD   | 09/01/2026 | WNV |
| San Diego      | SAND 25529  | 20746 | Cx quinquefasciatus | San Diego               | 19 | GRVD   | 09/04/2026 | WNV |
| San Diego      | SAND 25555  | 20685 | Cx quinquefasciatus | San Diego               | 32 | GRVD   | 09/01/2026 | WNV |
| San Diego      | SAND 25556  | 20691 | Cx quinquefasciatus | San Diego               | 33 | GRVD   | 09/01/2026 | WNV |
| San Diego      | SAND 25585  | 20677 | Cx quinquefasciatus | San Diego               | 17 | GRVD   | 08/28/2026 | WNV |
| San Diego      | SAND 25585  | 20678 | Cx quinquefasciatus | San Diego               | 25 | BGSENT | 08/28/2026 | WNV |
| San Diego      | SAND 25586  | 20672 | Cx quinquefasciatus | El Cajon                | 29 | GRVD   | 08/28/2026 | WNV |
| San Diego      | SAND 25586  | 20673 | Cx quinquefasciatus | El Cajon                | 29 | GRVD   | 08/28/2026 | WNV |
| San Diego      | SAND 25588  | 20696 | Cx quinquefasciatus | San Diego               | 20 | GRVD   | 09/01/2026 | WNV |
| San Diego      | SAND 25588  | 20697 | Cx quinquefasciatus | San Diego               | 20 | GRVD   | 09/01/2026 | WNV |
| San Diego      | SAND 25588  | 20698 | Cx quinquefasciatus | San Diego               | 20 | GRVD   | 09/01/2026 | WNV |
| San Diego      | SAND 25594  | 20710 | Cx quinquefasciatus | San Diego               | 11 | GRVD   | 09/02/2026 | WNV |
| San Diego      | SAND 25596  | 20717 | Cx quinquefasciatus | San Diego               | 5  | GRVD   | 09/02/2026 | WNV |
| San Diego      | SAND 25597  | 20715 | Cx quinquefasciatus | San Diego               | 21 | GRVD   | 09/02/2026 | WNV |
| San Joaquin    | SJCM 1010   | 8095  | Cx tarsalis         | Galt                    | 23 | CO2    | 09/09/2026 | WNV |
| San Joaquin    | SJCM 1011   | 8094  | Cx pipiens          | Acampo                  | 2  | CO2    | 09/09/2026 | WNV |

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|-------------|-------------|-------|---------------------|---------------|----|--------|------------|-----|
| San Joaquin | SJCM 2663   | 8097  | Cx tarsalis         | Acampo        | 33 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8010   | 1740  | Cx tarsalis         | Ripon         | 35 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8025   | 1746  | Cx tarsalis         | Stockton      | 51 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8143   | 1760  | Cx tarsalis         | Stockton      | 50 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8160   | 1797  | Cx tarsalis         | Lodi          | 50 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8199   | 1823  | Cx tarsalis         | Manteca       | 36 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8201   | 1799  | Cx tarsalis         | Lockford      | 50 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8204   | 1728  | Cx tarsalis         | Stockton      | 27 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8208   | 1789  | Cx tarsalis         | Lodi          | 50 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8208   | 1790  | Cx tarsalis         | Lodi          | 45 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8209   | 1796  | Cx pipiens          | Lodi          | 23 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8219   | 1765  | Cx tarsalis         | Stockton      | 50 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 8248   | 1792  | Cx tarsalis         | Tracy         | 27 | CO2    | 09/09/2026 | WNV |
| San Joaquin | SJCM 9906   | 1730  | Cx tarsalis         | French Camp   | 8  | CO2    | 09/09/2026 | WNV |
| Shasta      | SHAS 93     | 943   | Cx tarsalis         | Anderson      | 40 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | EAST 1007   | 26198 | Cx tarsalis         | Modesto       | 50 | CO2    | 09/01/2026 | WNV |
| Stanislaus  | EAST 1014   | 26204 | Cx pipiens          | Knights Ferry | 24 | CO2    | 09/02/2026 | WNV |
| Stanislaus  | EAST 2056   | 26199 | Cx tarsalis         | Oakdale       | 13 | BGSENT | 08/27/2026 | WNV |
| Stanislaus  | EAST 2056   | 26201 | Cx pipiens          | Oakdale       | 15 | GRVD   | 09/02/2026 | WNV |
| Stanislaus  | TRLK 1615   | 846   | Cx tarsalis         | Modesto       | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 1615   | 851   | Cx tarsalis         | Modesto       | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 1616   | 780   | Cx tarsalis         | Modesto       | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 19246  | 828   | Cx pipiens          | Crows Landing | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 19246  | 829   | Cx pipiens          | Crows Landing | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 19246  | 830   | Cx pipiens          | Crows Landing | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 19246  | 831   | Cx pipiens          | Crows Landing | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 2315   | 798   | Cx pipiens          | Grayson       | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 2406   | 923   | Cx pipiens          | Crows Landing | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 26497  | 907   | Cx tarsalis         | Newman        | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 26500  | 909   | Cx tarsalis         | Newman        | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 2656   | 889   | Cx tarsalis         | Newman        | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 2656   | 890   | Cx tarsalis         | Newman        | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 424    | 791   | Cx tarsalis         | Patterson     | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 548    | 776   | Cx tarsalis         | Newman        | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 806    | 773   | Cx tarsalis         | Grayson       | 45 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 9768   | 808   | Cx pipiens          | Modesto       | 50 | CO2    | 09/09/2026 | WNV |
| Stanislaus  | TRLK 9768   | 810   | Cx tarsalis         | Modesto       | 50 | CO2    | 09/09/2026 | WNV |
| Tulare      | DLTA 509514 | 4435  | Cx quinquefasciatus | Dinuba        | 33 | BGSENT | 09/03/2026 | WNV |
| Tulare      | DLTA 509713 | 4430  | Cx tarsalis         | Visalia       | 24 | CO2    | 09/03/2026 | WNV |
| Tulare      | DLTA 509714 | 4423  | Cx quinquefasciatus | Visalia       | 10 | CO2    | 09/03/2026 | WNV |
| Tulare      | TLRE 192435 | 201   | Cx quinquefasciatus | Tulare        | 23 | GRVD   | 09/04/2026 | WNV |
| Tulare      | TLRE 202403 | 202   | Cx quinquefasciatus | Tulare        | 50 | GRVD   | 09/04/2026 | WNV |
| Yolo        | SAYO 103006 | 4165  | Cx tarsalis         | Dunnigan      | 50 | CO2    | 08/06/2026 | WNV |
| Yolo        | SAYO 103006 | 4166  | Cx tarsalis         | Dunnigan      | 50 | CO2    | 08/06/2026 | WNV |
| Yolo        | SAYO 103006 | 4167  | Cx tarsalis         | Dunnigan      | 50 | CO2    | 08/06/2026 | WNV |
| Yolo        | SAYO 103007 | 4134  | Cx tarsalis         | Dunnigan      | 49 | CO2    | 08/06/2026 | WNV |
| Yolo        | SAYO 114001 | 4144  | Cx tarsalis         | Zamora        | 50 | CO2    | 08/06/2026 | WNV |
| Yolo        | SAYO 114001 | 4145  | Cx tarsalis         | Zamora        | 47 | CO2    | 08/06/2026 | WNV |
| Yolo        | SAYO 115008 | 4147  | Cx tarsalis         | Woodland      | 50 | CO2    | 08/06/2026 | WNV |
| Yolo        | SAYO 115008 | 4148  | Cx tarsalis         | Woodland      | 50 | CO2    | 08/06/2026 | WNV |
| Yolo        | SAYO 115008 | 4150  | Cx tarsalis         | Woodland      | 50 | CO2    | 08/06/2026 | WNV |
| Yolo        | SAYO 115008 | 4151  | Cx tarsalis         | Woodland      | 50 | CO2    | 08/06/2026 | WNV |

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**Sentinel Chickens**

| County       | Site Code  | Nearest City  | Date Bled | Virus | Band 01 | Band 02 | Band 03 |
|--------------|------------|---------------|-----------|-------|---------|---------|---------|
| Butte        | BUCO000004 | Gridley       | 9/1/2026  | WNV   | 5142    | 5144    |         |
| Butte        | BUCO000006 | Chico         | 9/1/2026  | WNV   | 5152    | 5153    | 5156    |
| Contra Costa | CNTR008152 | Knightsen     | 8/31/2026 | WNV   | 1949    |         |         |
| Lake         | LAKE000226 | Lower Lake    | 9/1/2026  | WNV   | 3826    | 3828    |         |
| Los Angeles  | LACW001004 | Lawndale      | 9/1/2026  | WNV   | 3858    |         |         |
| Los Angeles  | LACW001005 | El Segundo    | 9/3/2026  | WNV   | 3863    |         |         |
| Los Angeles  | LACW001006 | Playa Del Rey | 9/3/2026  | WNV   | 3868    |         |         |
| Los Angeles  | LACW001007 | Baldwin Hills | 9/3/2026  | WNV   | 3873    | 3874    | 3875    |
| Los Angeles  | LACW001010 | Los Angeles   | 8/25/2026 | WNV   | 3884    | 3885    |         |
| Los Angeles  | LACW001073 | Los Angeles   | 8/25/2026 | WNV   | 3916    | 3919    | 3920    |
| Sutter       | SUYA000000 | Yuba City     | 9/3/2026  | WNV   | 5082    |         |         |
| Sutter       | SUYA000014 | Sutter        | 9/3/2026  | WNV   | 5047    |         |         |
| Sutter       | SUYA000030 | Live Oak      | 9/3/2026  | WNV   | 5057    |         |         |
| Tehama       | TEHA000001 | Red Bluff     | 9/2/2026  | WNV   | 5096    |         |         |
| Yuba         | SUYA000007 | Marysville    | 9/3/2026  | WNV   | 5061    |         |         |

## California Arbovirus Surveillance Bulletin #23

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### TEST PROTOCOLS

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#### **Humans:**

Specimens are tested by local laboratories with an IgM or IgG immunofluorescent assay (IFA) and/or an IgM enzyme immunoassay (EIA). Specimens with inconclusive results are forwarded to the California Department of Public Health Viral and Rickettsial Disease Laboratory (VRDL) for further testing with a plaque reduction neutralization test (PRNT).

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#### **Dead Birds**

Oral swab samples collected from bird carcasses are tested at the UC Davis Arbovirus Research and Training laboratory (DART) or at a local agency for West Nile virus by RT-qPCR.

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#### **Sentinel Chickens:**

Dried blood spot samples from sentinel chickens are tested at the California Department of Public Health Vector-Borne Disease Laboratory for IgG antibodies to West Nile, St. Louis encephalitis, and western equine encephalomyelitis viruses by an EIA. Positive samples are confirmed by IFA, western-blot, or PRNT.

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#### **Mosquito Pools:**

Mosquito pools are tested at DART or at a local agency for West Nile, western equine encephalomyelitis, and St. Louis encephalitis viral RNA using a multiplex RT-qPCR. Invasive *Aedes* mosquitoes (*Ae. aegypti* and *Ae. albopictus*) are also tested at DART for chikungunya, dengue, and Zika viral RNA by a separate RT-qPCR.

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*Website Information:* For updated information on WNV in California, please visit the California WNV website, <https://westnile.ca.gov>, or the California Vector-Borne Disease Surveillance System website, <https://maps.vectorsurv.org>.

*Prepared by the Vector-Borne Disease Section (Infectious Diseases Branch), California Department of Public Health, 850 Marina Bay Parkway, Richmond, CA 94804. Questions concerning this bulletin should be addressed to Hannah Romo: [Hannah.romo@cdph.ca.gov](mailto:Hannah.romo@cdph.ca.gov)*