

## California Arbovirus Surveillance Bulletin #17

Week 32 Friday, August 8, 2025



### WEEKLY UPDATE

#### Humans

##### West Nile virus

A total of 2 new human cases of West Nile virus (WNV) disease were reported this week from 1 county: Tulare (2). In 2025, 9 human cases of WNV disease have been reported from 4 counties. Of the 9 cases, 8 (89%) had neuroinvasive disease and 1 (11%) was fatal. The median age of the case-patients was 75 years and 6 (67%) of the case patients were male. The dates of symptom onset ranged from June 6 to July 20. At this time last year, 9 human cases of WNV disease had been reported from 6 counties.

##### Dengue virus

No locally acquired dengue infections have been reported in 2025. Travel associated dengue cases are indicated in the CDPH Weekly Update on Number of Dengue Infections:

<https://westnile.ca.gov/pdfs/WeeklyUpdateDengueInfectionsCA.pdf>

#### Dead Birds

A total of 6 new WNV positive dead birds were reported this week from 2 counties: Sacramento (3) and San Diego (3). In 2025, a total of 76 WNV positive dead birds have been reported from 13 counties. At this time last year, 218 WNV positive dead birds had been reported from 16 counties.

#### Mosquito Pools

##### West Nile virus

A total of 193 new WNV positive mosquito pools were reported from 16 counties: Butte (2), Fresno (10), Kern (5), Kings (11), Los Angeles (4), Madera (44), Merced (3), Orange (31), Placer (15), Sacramento (4), San Diego (7), San Joaquin (14), Solano (2), Stanislaus (8), Tulare (30), and Yolo (3). **This is the first detection of WNV activity in Solano County this year.** In 2025, a total of 1,162 WNV positive mosquito pools have been reported from 25 counties. At this time last year, 838 WNV positive mosquito pools had been reported from 25 counties.

##### St. Louis encephalitis virus

A total of 21 new St. Louis encephalitis virus (SLEV) positive mosquito pools were reported from 1 county: Riverside (21). In 2025, 30 SLEV positive mosquito pools have been reported from 3 counties: Fresno (1), Imperial (7), and Riverside (22). At this time last year, 13 SLEV positive mosquito pools had been reported from 3 counties.

#### Sentinel Chickens

A total of 4 new WNV positive chickens were reported this week from 1 county: Tulare (4). **These are the first WNV positive chickens reported from Tulare County this year.** In 2025, 7 WNV positive sentinel chickens have been reported from 3 counties. At this time last year, 46 WNV positive chickens had been reported from 8 counties.

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| 2024 & 2025 YTD West Nile Virus Comparisons |              |                |
|---------------------------------------------|--------------|----------------|
|                                             | 2024         | 2025           |
| Total No. Dead Bird Reports                 | 4,119        | 5,601          |
| No. Positive Counties                       | 28           | 27             |
| No. Human Cases                             | 9            | 9              |
| No. Positive Dead Birds / No. Tested        | 218 / 1,138  | 76 / 1,123     |
| No. Positive Mosquito Pools / No. Tested    | 838 / 27,888 | 1,162 / 28,517 |
| No. Seroconversions / No. Tested            | 46 / 2,660   | 7 / 2,111      |

| YTD WNV Activity by Element and County, 2025 |          |        |            |                |                   |
|----------------------------------------------|----------|--------|------------|----------------|-------------------|
| County                                       | Humans   | Horses | Dead Birds | Mosquito Pools | Sentinel Chickens |
| Alameda                                      |          |        | 5          |                |                   |
| Butte                                        |          |        |            | 6              | 2                 |
| Colusa                                       |          |        |            | 1              |                   |
| Contra Costa                                 |          |        | 1          | 1              |                   |
| Fresno                                       |          |        | 6          | 42             |                   |
| Imperial                                     |          |        |            | 1              |                   |
| Inyo                                         |          |        |            | 1              |                   |
| Kern                                         | 1        |        | 1          | 63             |                   |
| Kings                                        | 2        |        |            | 27             |                   |
| Los Angeles                                  |          |        | 1          | 25             |                   |
| Madera                                       |          |        |            | 107            |                   |
| Merced                                       |          |        |            | 11             |                   |
| Orange                                       |          |        | 2          | 52             |                   |
| Placer                                       |          |        | 2          | 80             |                   |
| Riverside                                    |          |        |            | 1              |                   |
| Sacramento                                   |          |        | 14         | 24             |                   |
| San Bernardino                               |          |        |            | 1              |                   |
| San Diego                                    |          |        | 16         | 84             |                   |
| San Joaquin                                  |          |        | 3          | 47             |                   |
| Santa Clara                                  |          |        | 18         |                |                   |
| Shasta                                       |          |        |            | 1              |                   |
| Solano                                       |          |        |            | 2              |                   |
| Stanislaus                                   | 1        |        | 1          | 67             |                   |
| Sutter                                       |          |        |            | 3              | 1                 |
| Tulare                                       | 5        |        | 6          | 504            | 4                 |
| Yolo                                         |          |        |            | 7              |                   |
| Yuba                                         |          |        |            | 4              |                   |
| <b>Totals</b>                                | <b>9</b> |        | <b>76</b>  | <b>1,162</b>   | <b>7</b>          |

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### TESTING SUMMARIES

|             |      | WNV | SLEV | WEEV |
|-------------|------|-----|------|------|
| Human Cases | Week | 2   | 0    | 0    |
|             | YTD  | 9   | 0    | 0    |

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

|            |      |            |
|------------|------|------------|
| Dead Birds | Week | 6 / 32     |
|            | YTD  | 76 / 1,123 |

|              |      |           |           |           |
|--------------|------|-----------|-----------|-----------|
| Chicken Sera | Week | 4 / 132   | 0 / 132   | 0 / 132   |
|              | YTD  | 7 / 2,111 | 0 / 2,111 | 0 / 2,111 |

|                |      |                |             |            |         |         |         |
|----------------|------|----------------|-------------|------------|---------|---------|---------|
| Mosquito Pools | Week | 193 / 1,811    | 21 / 1,640  | 0 / 1,640  | 0 / 0   | 0 / 0   | 0 / 0   |
|                | YTD  | 1,162 / 28,517 | 30 / 26,396 | 0 / 26,400 | 0 / 157 | 0 / 157 | 0 / 157 |

### POSITIVES

#### Dead Birds

| County     | Submitting Agency    | City          | Zip Code | Species              | Date Reported | Virus |
|------------|----------------------|---------------|----------|----------------------|---------------|-------|
| Sacramento | Sacramento-Yolo MVCD | Elk Grove     | 95624    | White-tailed Kite    | 7/31/2025     | WNV   |
| Sacramento | Sacramento-Yolo MVCD | Fair Oaks     | 95628    | California Scrub-Jay | 7/31/2025     | WNV   |
| Sacramento | Sacramento-Yolo MVCD | Carmichael    | 95608    | Lesser Goldfinch     | 8/1/2025      | WNV   |
| San Diego  | San Diego Co VCP     | National City | 91950    | American Crow        | 7/28/2025     | WNV   |
| San Diego  | San Diego Co VCP     | Chula Vista   | 91910    | American Crow        | 8/1/2025      | WNV   |
| San Diego  | San Diego Co VCP     | La Mesa       | 99109    | American Crow        | 8/4/2025      | WNV   |

#### Mosquito Pools

| County | Site      | Pool No | Species             | City      | Pool Size | Trap   | Collected | Virus |
|--------|-----------|---------|---------------------|-----------|-----------|--------|-----------|-------|
| Butte  | BUCO 141  | 305     | Cx tarsalis         | Oroville  | 50        | CO2    | 7/30/2025 | WNV   |
| Butte  | BUCO 146  | 283     | Cx tarsalis         | Palermo   | 50        | CO2    | 7/29/2025 | WNV   |
| Fresno | CNSL 1119 | 261     | Cx quinquefasciatus | Fresno    | 18        | GRVD   | 7/31/2025 | WNV   |
| Fresno | CNSL 1302 | 264     | Cx quinquefasciatus | Clovis    | 32        | GRVD   | 8/1/2025  | WNV   |
| Fresno | CNSL 3407 | 252     | Cx quinquefasciatus | Reedley   | 15        | BGSENT | 7/29/2025 | WNV   |
| Fresno | CNSL 4198 | 262     | Cx quinquefasciatus | Fowler    | 29        | BGSENT | 8/1/2025  | WNV   |
| Fresno | CNSL 8192 | 253     | Cx quinquefasciatus | Fresno    | 50        | GRVD   | 7/30/2025 | WNV   |
| Fresno | CNSL 8216 | 260     | Cx quinquefasciatus | Fresno    | 13        | BGSENT | 7/31/2025 | WNV   |
| Fresno | FRWS 1202 | 160     | Cx tarsalis         | Dos Palos | 50        | CO2    | 8/5/2025  | WNV   |
| Fresno | FRWS 4102 | 166     | Cx tarsalis         | Kerman    | 50        | CO2    | 8/5/2025  | WNV   |
| Fresno | FRWS 4102 | 167     | Cx tarsalis         | Kerman    | 50        | CO2    | 8/5/2025  | WNV   |
| Fresno | FRWS 5101 | 163     | Cx tarsalis         | Mendota   | 32        | CO2    | 8/5/2025  | WNV   |
| Kern   | KERN 3026 | 298     | Cx quinquefasciatus | Arvin     | 50        | CO2    | 7/29/2025 | WNV   |
| Kern   | KERN 33   | 295     | Cx quinquefasciatus | Arvin     | 50        | CO2    | 7/29/2025 | WNV   |
| Kern   | KERN 55   | 296     | Cx quinquefasciatus | Arvin     | 50        | CO2    | 7/29/2025 | WNV   |

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|-------------|-------------|------|---------------------|---------------|----|--------|-----------|-----|
| Kern        | KERN 9      | 309  | Cx quinquefasciatus | Bakersfield   | 38 | CO2    | 7/30/2025 | WNV |
| Kern        | WEST 6229   | 50   | Cx quinquefasciatus | Taft          | 31 | GRVD   | 8/6/2025  | WNV |
| Kings       | KNGS 3030   | 195  | Cx tarsalis         | Lemoore       | 50 | CO2    | 7/25/2025 | WNV |
| Kings       | KNGS 3078   | 163  | Cx tarsalis         | Lemoore       | 50 | CO2    | 7/23/2025 | WNV |
| Kings       | KNGS 3122   | 151  | Cx tarsalis         | Hanford       | 50 | CO2    | 7/22/2025 | WNV |
| Kings       | KNGS 3131   | 157  | Cx tarsalis         | Stratford     | 50 | CO2    | 7/23/2025 | WNV |
| Kings       | KNGS 3148   | 152  | Cx tarsalis         | Armona        | 34 | CO2    | 7/22/2025 | WNV |
| Kings       | KNGS 5519   | 169  | Cx pipiens          | Hanford       | 15 | BGSENT | 7/23/2025 | WNV |
| Kings       | KNGS 8010   | 181  | Cx tarsalis         | Hanford       | 50 | CO2    | 7/24/2025 | WNV |
| Kings       | KNGS 8010   | 182  | Cx tarsalis         | Hanford       | 50 | CO2    | 7/24/2025 | WNV |
| Kings       | KNGS 8010   | 183  | Cx tarsalis         | Hanford       | 50 | CO2    | 7/24/2025 | WNV |
| Kings       | KNGS 8010   | 184  | Cx tarsalis         | Hanford       | 50 | CO2    | 7/24/2025 | WNV |
| Kings       | KNGS 8010   | 185  | Cx pipiens          | Hanford       | 50 | CO2    | 7/24/2025 | WNV |
| Los Angeles | GRLA 2032   | 5598 | Cx quinquefasciatus | Northridge    | 50 | GRVD   | 7/30/2025 | WNV |
| Los Angeles | GRLA 2636   | 5591 | Cx quinquefasciatus | Lake Balboa   | 50 | GRVD   | 7/30/2025 | WNV |
| Los Angeles | GRLA 2889   | 551  | Cx quinquefasciatus | Lakewood      | 50 | GRVD   | 8/1/2025  | WNV |
| Los Angeles | SGVA 15     | 510  | Cx quinquefasciatus | Glendora      | 25 | BGSENT | 8/5/2025  | WNV |
| Madera      | MADR 1012   | 486  | Cx tarsalis         | Madera County | 50 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 1097   | 384  | Cx tarsalis         | Madera        | 26 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 1097   | 501  | Cx tarsalis         | Madera        | 50 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 12345  | 408  | Cx quinquefasciatus | Madera        | 18 | CO2    | 7/30/2025 | WNV |
| Madera      | MADR 12345  | 409  | Cx tarsalis         | Madera        | 43 | CO2    | 7/30/2025 | WNV |
| Madera      | MADR 12345  | 471  | Cx quinquefasciatus | Madera        | 25 | CO2    | 8/5/2025  | WNV |
| Madera      | MADR 12345  | 472  | Cx tarsalis         | Madera        | 50 | CO2    | 8/5/2025  | WNV |
| Madera      | MADR 123497 | 469  | Cx tarsalis         | Ca            | 50 | CO2    | 8/5/2025  | WNV |
| Madera      | MADR 12358  | 427  | Cx tarsalis         | Madera        | 41 | CO2    | 7/30/2025 | WNV |
| Madera      | MADR 12360  | 426  | Cx tarsalis         | Madera        | 50 | CO2    | 7/30/2025 | WNV |
| Madera      | MADR 12360  | 485  | Cx tarsalis         | Madera        | 50 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 12362  | 382  | Cx tarsalis         | Madera        | 50 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 12362  | 500  | Cx tarsalis         | Madera        | 50 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 12391  | 393  | Cx tarsalis         | Madera        | 16 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 12392  | 379  | Cx tarsalis         | Madera        | 50 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 12410  | 422  | Cx tarsalis         | Parkwood      | 50 | CO2    | 7/30/2025 | WNV |
| Madera      | MADR 12610  | 483  | Cx tarsalis         | Madera        | 50 | CO2    | 8/5/2025  | WNV |
| Madera      | MADR 12611  | 388  | Cx tarsalis         | Madera        | 50 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 12611  | 494  | Cx tarsalis         | Madera        | 50 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 12619  | 392  | Cx tarsalis         | Parkwood      | 12 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 12627  | 406  | Cx tarsalis         | Rolling Hills | 39 | CO2    | 7/30/2025 | WNV |
| Madera      | MADR 12628  | 428  | Cx tarsalis         | Fresno        | 50 | CO2    | 7/30/2025 | WNV |
| Madera      | MADR 12628  | 465  | Cx tarsalis         | Fresno        | 50 | CO2    | 8/5/2025  | WNV |
| Madera      | MADR 12650  | 499  | Cx tarsalis         | Fresno        | 16 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 227    | 386  | Cx tarsalis         | Madera        | 50 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 227    | 498  | Cx tarsalis         | Madera        | 50 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 237    | 380  | Cx tarsalis         | Madera        | 50 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 237    | 504  | Cx tarsalis         | Madera        | 50 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 259    | 398  | Cx tarsalis         | Madera        | 50 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 259    | 503  | Cx tarsalis         | Madera        | 50 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 276    | 488  | Cx tarsalis         | Madera        | 17 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 311    | 378  | Cx tarsalis         | Madera        | 17 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 581    | 387  | Cx tarsalis         | Madera        | 50 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 581    | 493  | Cx tarsalis         | Madera        | 21 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 634    | 390  | Cx quinquefasciatus | Madera        | 50 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 634    | 391  | Cx tarsalis         | Madera        | 50 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 706    | 460  | Cx tarsalis         | Madera        | 43 | CO2    | 8/1/2025  | WNV |
| Madera      | MADR 715    | 455  | Cx tarsalis         | Madera        | 50 | CO2    | 8/1/2025  | WNV |
| Madera      | MADR 726    | 400  | Cx tarsalis         | Madera        | 50 | CO2    | 7/29/2025 | WNV |
| Madera      | MADR 726    | 505  | Cx tarsalis         | Madera        | 50 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 727    | 405  | Cx tarsalis         | Madera        | 50 | CO2    | 7/30/2025 | WNV |
| Madera      | MADR 732    | 502  | Cx tarsalis         | Madera        | 50 | CO2    | 8/6/2025  | WNV |
| Madera      | MADR 752    | 448  | Cx tarsalis         | Firebaugh     | 50 | CO2    | 8/1/2025  | WNV |
| Madera      | MADR 768    | 421  | Cx tarsalis         | Madera        | 11 | CO2    | 7/30/2025 | WNV |

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|-----------|-------------|------|---------------------|----------------|----|--------|-----------|------|
| Merced    | MERC 492592 | 486  | Cx pipiens          | Delhi          | 50 | BGSENT | 7/31/2025 | WNV  |
| Merced    | MERC 492592 | 489  | Cx pipiens          | Delhi          | 50 | BGSENT | 7/31/2025 | WNV  |
| Merced    | MERC 616953 | 526  | Cx pipiens          | Hilmar-Irwin   | 50 | BGSENT | 7/31/2025 | WNV  |
| Orange    | ORCO 1009   | 1745 | Cx quinquefasciatus | Garden Grove   | 27 | GRVD   | 7/24/2025 | WNV  |
| Orange    | ORCO 1009   | 1755 | Cx quinquefasciatus | Garden Grove   | 38 | GRVD   | 7/24/2025 | WNV  |
| Orange    | ORCO 1009   | 1785 | Cx quinquefasciatus | Garden Grove   | 39 | GRVD   | 7/29/2025 | WNV  |
| Orange    | ORCO 1009   | 1792 | Cx quinquefasciatus | Garden Grove   | 40 | GRVD   | 7/29/2025 | WNV  |
| Orange    | ORCO 1009   | 1793 | Cx quinquefasciatus | Garden Grove   | 39 | GRVD   | 7/29/2025 | WNV  |
| Orange    | ORCO 1009   | 1900 | Cx quinquefasciatus | Garden Grove   | 33 | GRVD   | 7/31/2025 | WNV  |
| Orange    | ORCO 1009   | 1901 | Cx quinquefasciatus | Garden Grove   | 12 | GRVD   | 7/31/2025 | WNV  |
| Orange    | ORCO 1009   | 1904 | Cx quinquefasciatus | Garden Grove   | 27 | GRVD   | 7/31/2025 | WNV  |
| Orange    | ORCO 1009   | 1906 | Cx quinquefasciatus | Garden Grove   | 36 | GRVD   | 7/31/2025 | WNV  |
| Orange    | ORCO 1009   | 1908 | Cx quinquefasciatus | Garden Grove   | 40 | GRVD   | 7/31/2025 | WNV  |
| Orange    | ORCO 1009   | 1909 | Cx quinquefasciatus | Garden Grove   | 43 | GRVD   | 7/31/2025 | WNV  |
| Orange    | ORCO 1009   | 1915 | Cx quinquefasciatus | Garden Grove   | 51 | GRVD   | 7/31/2025 | WNV  |
| Orange    | ORCO 1009   | 1919 | Cx quinquefasciatus | Garden Grove   | 18 | GRVD   | 7/31/2025 | WNV  |
| Orange    | ORCO 1009   | 2066 | Cx quinquefasciatus | Garden Grove   | 32 | GRVD   | 8/7/2025  | WNV  |
| Orange    | ORCO 1009   | 2069 | Cx tarsalis         | Garden Grove   | 2  | GRVD   | 8/7/2025  | WNV  |
| Orange    | ORCO 1009   | 2073 | Cx quinquefasciatus | Garden Grove   | 14 | GRVD   | 8/7/2025  | WNV  |
| Orange    | ORCO 1009   | 2075 | Cx quinquefasciatus | Garden Grove   | 38 | GRVD   | 8/7/2025  | WNV  |
| Orange    | ORCO 1009   | 2076 | Cx quinquefasciatus | Garden Grove   | 38 | GRVD   | 8/7/2025  | WNV  |
| Orange    | ORCO 1009   | 2082 | Cx quinquefasciatus | Garden Grove   | 45 | GRVD   | 8/7/2025  | WNV  |
| Orange    | ORCO 1009   | 2086 | Cx quinquefasciatus | Garden Grove   | 29 | GRVD   | 8/7/2025  | WNV  |
| Orange    | ORCO 218    | 1790 | Cx quinquefasciatus | Anaheim        | 44 | GRVD   | 7/29/2025 | WNV  |
| Orange    | ORCO 218    | 1809 | Cx quinquefasciatus | Anaheim        | 38 | GRVD   | 7/29/2025 | WNV  |
| Orange    | ORCO 218    | 1967 | Cx quinquefasciatus | Anaheim        | 49 | GRVD   | 8/5/2025  | WNV  |
| Orange    | ORCO 218    | 1968 | Cx quinquefasciatus | Anaheim        | 49 | GRVD   | 8/5/2025  | WNV  |
| Orange    | ORCO 218    | 1972 | Cx quinquefasciatus | Anaheim        | 29 | GRVD   | 8/5/2025  | WNV  |
| Orange    | ORCO 218    | 1996 | Cx quinquefasciatus | Anaheim        | 27 | GRVD   | 8/5/2025  | WNV  |
| Orange    | ORCO 218    | 1997 | Cx quinquefasciatus | Anaheim        | 27 | GRVD   | 8/5/2025  | WNV  |
| Orange    | ORCO 29     | 2044 | Cx quinquefasciatus | Santa Ana      | 38 | CO2    | 8/6/2025  | WNV  |
| Orange    | ORCO 3      | 1804 | Cx quinquefasciatus | Garden Grove   | 33 | GRVD   | 7/29/2025 | WNV  |
| Orange    | ORCO 338    | 1834 | Cx quinquefasciatus | Anaheim        | 30 | GRVD   | 7/29/2025 | WNV  |
| Orange    | ORCO 348    | 1998 | Cx quinquefasciatus | Santa Ana      | 34 | GRVD   | 8/5/2025  | WNV  |
| Placer    | PLCR 1114   | 1418 | Cx tarsalis         | Lincoln        | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 1114   | 1421 | Cx tarsalis         | Lincoln        | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 139    | 1383 | Cx tarsalis         | Roseville      | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 139    | 1384 | Cx tarsalis         | Roseville      | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 191218 | 1393 | Cx tarsalis         | Roseville      | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 191998 | 1387 | Cx tarsalis         | Lincoln        | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 194232 | 1429 | Cx tarsalis         | Pleasant Grove | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 197802 | 1368 | Cx tarsalis         | Elverta        | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 197802 | 1369 | Cx tarsalis         | Elverta        | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 197802 | 1371 | Cx tarsalis         | Elverta        | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 197802 | 1372 | Cx tarsalis         | Elverta        | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 25     | 1425 | Cx tarsalis         | Lincoln        | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 525    | 1408 | Cx tarsalis         | Lincoln        | 19 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 678519 | 1436 | Cx tarsalis         | Elverta        | 50 | CO2    | 8/5/2025  | WNV  |
| Placer    | PLCR 79     | 1366 | Cx tarsalis         | Roseville      | 14 | CO2    | 8/5/2025  | WNV  |
| Riverside | COAV 0      | 3844 | Cx tarsalis         | Indio          | 39 | CO2    | 8/7/2025  | SLEV |
| Riverside | COAV 0      | 3845 | Cx tarsalis         | Indio          | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside | COAV 0      | 3965 | Cx tarsalis         | Indio          | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside | COAV 0      | 3972 | Cx tarsalis         | Indio          | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside | COAV 0      | 3973 | Cx tarsalis         | Indio          | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside | COAV 0      | 3974 | Cx tarsalis         | Indio          | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside | COAV 0      | 3975 | Cx tarsalis         | Indio          | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside | COAV 0      | 3976 | Cx tarsalis         | Indio          | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside | COAV 130    | 3902 | Cx tarsalis         | Oasis          | 50 | CO2    | 8/5/2025  | SLEV |
| Riverside | COAV 130    | 3967 | Cx tarsalis         | Oasis          | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside | COAV 130    | 3968 | Cx tarsalis         | Oasis          | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside | COAV 130    | 3969 | Cx tarsalis         | Oasis          | 50 | CO2    | 8/7/2025  | SLEV |



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|             |             |       |                     |                  |    |        |           |      |
|-------------|-------------|-------|---------------------|------------------|----|--------|-----------|------|
| Riverside   | COAV 130    | 3970  | Cx tarsalis         | Oasis            | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside   | COAV 130    | 3971  | Cx tarsalis         | Oasis            | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside   | COAV 2      | 3820  | Cx tarsalis         | Oasis            | 30 | CO2    | 8/5/2025  | SLEV |
| Riverside   | COAV 2      | 3847  | Cx tarsalis         | Oasis            | 31 | CO2    | 8/7/2025  | SLEV |
| Riverside   | COAV 5      | 3850  | Cx tarsalis         | Oasis            | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside   | COAV 5      | 3851  | Cx tarsalis         | Oasis            | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside   | COAV 5      | 3852  | Cx tarsalis         | Oasis            | 50 | CO2    | 8/7/2025  | SLEV |
| Riverside   | COAV 5      | 3937  | Cx tarsalis         | Oasis            | 50 | CO2    | 8/5/2025  | SLEV |
| Riverside   | COAV 5      | 3961  | Cx quinquefasciatus | Oasis            | 50 | CO2    | 8/7/2025  | SLEV |
| Sacramento  | SAYO 203014 | 3135  | Cx pipiens          | Antelope         | 50 | CO2    | 8/5/2025  | WNV  |
| Sacramento  | SAYO 203014 | 3147  | Cx tarsalis         | Antelope         | 24 | CO2    | 8/5/2025  | WNV  |
| Sacramento  | SAYO 204013 | 3133  | Cx stigmatosoma     | Citrus Heights   | 5  | GRVD   | 8/5/2025  | WNV  |
| Sacramento  | SAYO 214046 | 2893  | Cx stigmatosoma     | Rancho Cordova   | 9  | GRVD   | 8/1/2025  | WNV  |
| San Diego   | SAND 24152  | 17161 | Cx quinquefasciatus | La Mesa          | 11 | GRVD   | 7/29/2025 | WNV  |
| San Diego   | SAND 24153  | 17147 | Cx quinquefasciatus | San Diego        | 10 | GRVD   | 7/29/2025 | WNV  |
| San Diego   | SAND 24153  | 17149 | Cx quinquefasciatus | San Diego        | 11 | GRVD   | 7/29/2025 | WNV  |
| San Diego   | SAND 24156  | 17154 | Cx quinquefasciatus | La Mesa          | 10 | GRVD   | 7/29/2025 | WNV  |
| San Diego   | SAND 24156  | 17155 | Cx quinquefasciatus | La Mesa          | 10 | GRVD   | 7/29/2025 | WNV  |
| San Diego   | SAND 24216  | 17145 | Cx quinquefasciatus | La Mesa          | 11 | GRVD   | 7/29/2025 | WNV  |
| San Diego   | SAND 24216  | 17146 | Cx quinquefasciatus | La Mesa          | 11 | GRVD   | 7/29/2025 | WNV  |
| San Joaquin | SJCM 8010   | 1483  | Cx pipiens          | Ripon            | 13 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8048   | 1492  | Cx tarsalis         | Stockton         | 5  | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8083   | 1511  | Cx tarsalis         | Escalon          | 50 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8083   | 1512  | Cx tarsalis         | Escalon          | 50 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8083   | 1513  | Cx tarsalis         | Escalon          | 28 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8083   | 1515  | Cx pipiens          | Escalon          | 50 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8083   | 1516  | Cx pipiens          | Escalon          | 21 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8191   | 1474  | Cx tarsalis         | Lodi             | 51 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8199   | 1463  | Cx tarsalis         | Manteca          | 50 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8203   | 1459  | Cx tarsalis         | Lodi             | 11 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8204   | 1440  | Cx pipiens          | Stockton         | 12 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8206   | 1520  | Cx tarsalis         | Lodi             | 50 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8206   | 1527  | Cx tarsalis         | Lodi             | 50 | CO2    | 8/5/2025  | WNV  |
| San Joaquin | SJCM 8210   | 1458  | Cx pipiens          | Escalon          | 35 | CO2    | 8/5/2025  | WNV  |
| Solano      | SOLA 100033 | 700   | Cx pipiens          | Vacaville        | 14 | CO2    | 8/6/2025  | WNV  |
| Solano      | SOLA 9004   | 683   | Cx tarsalis         | Birds Landing    | 50 | CO2    | 8/1/2025  | WNV  |
| Stanislaus  | EAST 2096   | 25195 | Cx pipiens          | Modesto          | 31 | GRVD   | 7/30/2025 | WNV  |
| Stanislaus  | TRLK 1681   | 507   | Cx pipiens          | Turlock          | 2  | CO2    | 8/1/2025  | WNV  |
| Stanislaus  | TRLK 2001   | 562   | Cx pipiens          | Turlock          | 20 | CO2    | 8/5/2025  | WNV  |
| Stanislaus  | TRLK 25325  | 503   | Cx pipiens          | Denair           | 49 | CO2    | 7/30/2025 | WNV  |
| Stanislaus  | TRLK 312    | 554   | Cx tarsalis         | Newman           | 50 | CO2    | 8/5/2025  | WNV  |
| Stanislaus  | TRLK 424    | 548   | Cx tarsalis         | Patterson        | 20 | CO2    | 8/5/2025  | WNV  |
| Stanislaus  | TRLK 549    | 558   | Cx tarsalis         | Newman           | 50 | CO2    | 8/5/2025  | WNV  |
| Stanislaus  | TRLK 549    | 559   | Cx tarsalis         | Newman           | 24 | CO2    | 8/5/2025  | WNV  |
| Tulare      | DLTA 509252 | 2679  | Cx quinquefasciatus | Dinuba           | 18 | GRVD   | 7/31/2025 | WNV  |
| Tulare      | DLTA 509299 | 2674  | Cx stigmatosoma     | Woodlake         | 44 | GRVD   | 7/31/2025 | WNV  |
| Tulare      | DLTA 509402 | 2696  | Cx quinquefasciatus | Dinuba           | 15 | GRVD   | 7/31/2025 | WNV  |
| Tulare      | DLTA 509407 | 2700  | Cx stigmatosoma     | Exeter           | 12 | GRVD   | 7/31/2025 | WNV  |
| Tulare      | DLTA 509473 | 2709  | Cx quinquefasciatus | Visalia          | 14 | BGSENT | 8/1/2025  | WNV  |
| Tulare      | DLTA 509514 | 2703  | Cx quinquefasciatus | Dinuba           | 36 | GRVD   | 7/31/2025 | WNV  |
| Tulare      | DLTA 509527 | 2726  | Cx quinquefasciatus | Visalia          | 13 | GRVD   | 8/1/2025  | WNV  |
| Tulare      | DLTA 509555 | 2682  | Cx quinquefasciatus | Cutler-Orosi Udb | 14 | GRVD   | 7/31/2025 | WNV  |
| Tulare      | DLTA 509646 | 2710  | Cx quinquefasciatus | Visalia          | 48 | BGSENT | 8/1/2025  | WNV  |
| Tulare      | DLTA 509665 | 2721  | Cx quinquefasciatus | Delft Colony     | 25 | BGSENT | 8/1/2025  | WNV  |
| Tulare      | DLTA 509696 | 2717  | Cx tarsalis         | Visalia          | 14 | CO2    | 8/1/2025  | WNV  |
| Tulare      | DLTA 509807 | 2667  | Cx quinquefasciatus | Farmersville     | 38 | BGSENT | 7/31/2025 | WNV  |
| Tulare      | DLTA 509807 | 2669  | Cx quinquefasciatus | Farmersville     | 48 | GRVD   | 7/31/2025 | WNV  |
| Tulare      | DLTA 509859 | 2728  | Cx stigmatosoma     | Woodlake         | 50 | GRVD   | 8/1/2025  | WNV  |
| Tulare      | DLTA 509859 | 2729  | Cx stigmatosoma     | Woodlake         | 16 | GRVD   | 8/1/2025  | WNV  |
| Tulare      | DLTA 509879 | 2730  | Cx quinquefasciatus | Farmersville     | 15 | GRVD   | 8/1/2025  | WNV  |
| Tulare      | TLRE 192436 | 95    | Cx quinquefasciatus | Tulare           | 37 | GRVD   | 7/30/2025 | WNV  |

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| Tulare | TLRE 202404 | 97   | Cx quinquefasciatus | Tulare      | 49 | GRVD | 7/30/2025 | WNV |
| Tulare | TLRE 202410 | 102  | Cx quinquefasciatus | Tulare      | 50 | GRVD | 7/31/2025 | WNV |
| Tulare | TLRE 202412 | 101  | Cx quinquefasciatus | Tulare      | 23 | GRVD | 7/31/2025 | WNV |
| Tulare | TLRE 202413 | 100  | Cx quinquefasciatus | Tulare      | 29 | GRVD | 7/31/2025 | WNV |
| Tulare | TLRE 202415 | 99   | Cx quinquefasciatus | Tulare      | 50 | GRVD | 7/30/2025 | WNV |
| Tulare | TLRE 202507 | 94   | Cx quinquefasciatus | Tulare      | 41 | GRVD | 7/30/2025 | WNV |
| Tulare | TLRE 202518 | 93   | Cx quinquefasciatus | Tulare      | 50 | GRVD | 7/30/2025 | WNV |
| Tulare | TLRE 202635 | 79   | Cx quinquefasciatus | Plainview   | 50 | GRVD | 7/29/2025 | WNV |
| Tulare | TLRE 202635 | 80   | Cx tarsalis         | Plainview   | 20 | GRVD | 7/29/2025 | WNV |
| Tulare | TLRE 212619 | 81   | Cx quinquefasciatus | Woodville   | 50 | GRVD | 7/29/2025 | WNV |
| Tulare | TLRE 212634 | 84   | Cx quinquefasciatus | Poplar      | 50 | GRVD | 7/29/2025 | WNV |
| Tulare | TLRE 222533 | 87   | Cx quinquefasciatus | Pixley      | 50 | GRVD | 7/29/2025 | WNV |
| Tulare | TLRE 242409 | 92   | Cx quinquefasciatus | Allensworth | 15 | GRVD | 7/29/2025 | WNV |
| Yolo   | SAYO 114001 | 3053 | Cx tarsalis         | Zamora      | 50 | CO2  | 8/5/2025  | WNV |
| Yolo   | SAYO 115008 | 3069 | Cx tarsalis         | Woodland    | 50 | CO2  | 8/5/2025  | WNV |
| Yolo   | SAYO 145016 | 3122 | Cx tarsalis         | Davis       | 47 | CO2  | 8/5/2025  | WNV |

### Sentinel Chickens

| County | Site Code   | Nearest City | Date Bled | Virus | Band 1 | Band 2 | Band 3 | Band 4 |
|--------|-------------|--------------|-----------|-------|--------|--------|--------|--------|
| Tulare | TLRE 000008 | Tulare       | 7/25/2025 | WNV   | 1381   | 1382   | 1383   | 1390   |

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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)*