

## California Arbovirus Surveillance Bulletin #20

Week 35 Friday, August 29, 2025



### WEEKLY UPDATE

#### Humans

##### West Nile virus

A total of 5 new human cases of West Nile virus (WNV) disease were reported this week from 3 counties: Butte (1), Kern (3), and Tulare (1). In 2025, 22 human cases of WNV disease have been reported from 8 counties. Of the 22 cases, 19 (86%) had neuroinvasive disease and 1 (5%) was fatal. The median age of the case-patients was 69 years and 10 (45%) of the case patients were male. The dates of symptom onset ranged from June 6 to August 18. In addition to the 22 cases of WNV disease, 3 asymptomatic WNV positive blood donors have been reported from 3 counties: Fresno (1), Kern (1), and Tulare (1). At this time last year, 27 human cases of WNV disease had been reported from 11 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 14 new WNV positive dead birds were reported this week from 9 counties: Fresno (2), Los Angeles (1), Sacramento (4), San Diego (2), San Joaquin (1), Santa Clara (1), Solano (1), Sutter (1), and Yolo (1). **These are the first WNV positive dead birds from Sutter and Yolo counties this year.** In 2025, a total of 111 WNV positive dead birds have been reported from 16 counties. At this time last year, 352 WNV positive dead birds had been reported from 18 counties.

#### Mosquito Pools

##### West Nile virus

A total of 200 new WNV positive mosquito pools were reported this week from 18 counties: Butte (4), Fresno (14), Kern (5), Kings (7), Lake (1), Los Angeles (18), Madera (15), Orange (9), Placer (19), Sacramento (5), San Joaquin (19), Santa Clara (2), Solano (8), Stanislaus (26), Sutter (1), Tulare (35), Yolo (11), and Yuba (1). **These are the first WNV positive mosquito pools from Santa Clara County this year.** In 2025, a total of 1,912 WNV positive mosquito pools have been reported from 27 counties. At this time last year, 1,386 WNV positive mosquito pools had been reported from 25 counties.

##### St. Louis encephalitis virus

A total of 7 new St. Louis encephalitis virus (SLEV) positive mosquito pools were reported this week from 2 counties: Imperial (1) and Riverside (6). In 2025, 72 SLEV positive mosquito pools have been reported from 3 counties: Fresno (1), Imperial (8), and Riverside (63). At this time last year, 15 SLEV positive mosquito pools had been reported from 4 counties.

#### Sentinel Chickens

A total of 5 new WNV positive sentinel chickens were reported this week from 4 counties: Butte (1), Lake (1), Sutter (1), and Yuba (2). In 2025, 25 WNV positive sentinel chickens have been reported from 6 counties. At this time last year, 75 WNV positive chickens had been reported from 9 counties.

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| 2024 & 2025 YTD West Nile Virus Comparisons |                |                |
|---------------------------------------------|----------------|----------------|
|                                             | 2024           | 2025           |
| Total No. Dead Bird Reports                 | 4,773          | 6,153          |
| No. Positive Counties                       | 29             | 29             |
| No. Human Cases                             | 27             | 22             |
| No. Positive Dead Birds / No. Tested        | 352 / 1,368    | 111 / 1,341    |
| No. Positive Mosquito Pools / No. Tested    | 1,386 / 33,385 | 1,912 / 34,359 |
| No. Seroconversions / No. Tested            | 75 / 3,231     | 25 / 2,644     |

| YTD WNV Activity by Element and County, 2025 |           |        |            |                |                   |
|----------------------------------------------|-----------|--------|------------|----------------|-------------------|
| County                                       | Humans    | Horses | Dead Birds | Mosquito Pools | Sentinel Chickens |
| Alameda                                      |           |        | 6          |                |                   |
| Butte                                        | 2         |        |            | 23             | 7                 |
| Colusa                                       |           |        |            | 1              |                   |
| Contra Costa                                 |           |        | 2          | 1              |                   |
| Fresno                                       | 1         |        | 10         | 89             |                   |
| Imperial                                     |           |        |            | 1              |                   |
| Inyo                                         |           |        |            | 1              |                   |
| Kern                                         | 5         |        | 1          | 109            |                   |
| Kings                                        | 3         |        |            | 80             |                   |
| Lake                                         |           |        |            | 5              | 4                 |
| Los Angeles                                  |           |        | 2          | 69             |                   |
| Madera                                       |           |        |            | 194            |                   |
| Merced                                       |           |        |            | 27             |                   |
| Orange                                       |           |        | 2          | 71             |                   |
| Placer                                       |           |        | 5          | 129            |                   |
| Riverside                                    |           |        |            | 9              |                   |
| Sacramento                                   |           |        | 23         | 35             |                   |
| San Bernardino                               |           |        |            | 3              |                   |
| San Diego                                    |           |        | 18         | 100            |                   |
| San Joaquin                                  |           |        | 6          | 97             |                   |
| Santa Clara                                  |           |        | 24         | 2              |                   |
| Shasta                                       |           |        |            | 1              |                   |
| Solano                                       |           |        | 2          | 18             | 1                 |
| Stanislaus                                   | 1         |        | 1          | 129            |                   |
| Sutter                                       |           |        | 1          | 9              | 2                 |
| Tulare                                       | 8         |        | 7          | 661            | 8                 |
| Tuolumne                                     | 1         |        |            |                |                   |
| Yolo                                         | 1         |        | 1          | 42             |                   |
| Yuba                                         |           |        |            | 6              | 3                 |
| <b>Totals</b>                                | <b>22</b> |        | <b>111</b> | <b>1,912</b>   | <b>25</b>         |

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### TESTING SUMMARIES

|             |      | WNV | SLEV | WEEV |
|-------------|------|-----|------|------|
| Human Cases | Week | 5   | 0    | 0    |
|             | YTD  | 22  | 0    | 0    |

|                |      | Positive / Total Tested |             |            |         |         |         |
|----------------|------|-------------------------|-------------|------------|---------|---------|---------|
|                |      | WNV                     | SLEV        | WEEV       | CHIK    | DENV    | ZIKA    |
| Dead Birds     | Week | 14 / 93                 |             |            |         |         |         |
|                | YTD  | 111 / 1,341             |             |            |         |         |         |
| Chicken Sera   | Week | 5 / 223                 | 0 / 223     | 0 / 223    |         |         |         |
|                | YTD  | 25 / 2,644              | 0 / 2,644   | 0 / 2,644  |         |         |         |
| Mosquito Pools | Week | 200 / 1,619             | 7 / 1,508   | 0 / 1,509  | 0 / 23  | 0 / 23  | 0 / 23  |
|                | YTD  | 1,912 / 34,359          | 72 / 31,835 | 0 / 31,841 | 0 / 243 | 0 / 243 | 0 / 243 |

### POSITIVES

#### Dead Birds

| County      | Submitting Agency       | City            | Zip Code | Species                 | Date Reported | Virus |
|-------------|-------------------------|-----------------|----------|-------------------------|---------------|-------|
| Fresno      | Fresno MVCD             | Fresno          | 93723    | Mourning Dove           | 8/20/2025     | WNV   |
| Fresno      | Fresno MVCD             | Fresno          | 93706    | American Crow           | 8/21/2025     | WNV   |
| Los Angeles | Los Angeles Co West VCD | Hawthorne       | 90250    | American Crow           | 8/18/2025     | WNV   |
| Sacramento  | Sacramento-Yolo MVCD    | Elverta         | 95626    | Cooper's Hawk           | 8/21/2025     | WNV   |
| Sacramento  | Sacramento-Yolo MVCD    | Elverta         | 95626    | American Crow           | 8/21/2025     | WNV   |
| Sacramento  | Sacramento-Yolo MVCD    | Elverta         | 95626    | American Crow           | 8/22/2025     | WNV   |
| Sacramento  | Sacramento-Yolo MVCD    | Sacramento      | 95821    | American Crow           | 8/23/2025     | WNV   |
| San Diego   | San Diego Co VCP        | Chula Vista     | 91910    | American Crow           | 8/15/2025     | WNV   |
| San Diego   | San Diego Co VCP        | Lemon Grove     | 91945    | Unknown - Crow or Raven | 8/20/2025     | WNV   |
| San Joaquin | San Joaquin Co MVCD     | Ripon           | 95366    | American Crow           | 8/26/2025     | WNV   |
| Santa Clara | Santa Clara Co VCD      | Santa Clara     | 95050    | American Crow           | 8/18/2025     | WNV   |
| Solano      | Solano Co MAD           | Dixon           | 95618    | American Crow           | 8/26/2025     | WNV   |
| Sutter      | Sutter-Yuba MVCD        | Yuba City       | 95993    | American Crow           | 8/19/2025     | WNV   |
| Yolo        | Sacramento-Yolo MVCD    | West Sacramento | 95691    | American Crow           | 8/26/2025     | WNV   |

#### Mosquito Pools

| County | Site      | Pool No | Species             | City    | Pool Size | Trap   | Collected  | Virus |
|--------|-----------|---------|---------------------|---------|-----------|--------|------------|-------|
| Butte  | BUCO 146  | 369     | Cx tarsalis         | Palermo | 50        | CO2    | 08/19/2025 | WNV   |
| Butte  | BUCO 49   | 362     | Cx tarsalis         | Biggs   | 40        | CO2    | 08/18/2025 | WNV   |
| Butte  | BUCO 91   | 363     | Cx tarsalis         | Biggs   | 50        | CO2    | 08/18/2025 | WNV   |
| Butte  | BUCO 91   | 364     | Cx tarsalis         | Biggs   | 50        | CO2    | 08/18/2025 | WNV   |
| Fresno | CNSL 1425 | 315     | Cx quinquefasciatus | Fresno  | 50        | GRVD   | 08/20/2025 | WNV   |
| Fresno | CNSL 4096 | 326     | Cx quinquefasciatus | Selma   | 42        | GRVD   | 08/22/2025 | WNV   |
| Fresno | CNSL 4141 | 327     | Cx quinquefasciatus | Selma   | 50        | GRVD   | 08/22/2025 | WNV   |
| Fresno | CNSL 4278 | 325     | Cx quinquefasciatus | Selma   | 50        | GRVD   | 08/22/2025 | WNV   |
| Fresno | CNSL 8110 | 318     | Cx quinquefasciatus | Fresno  | 40        | GRVD   | 08/21/2025 | WNV   |
| Fresno | CNSL 9185 | 324     | Cx quinquefasciatus | Clovis  | 50        | GRVD   | 08/21/2025 | WNV   |
| Fresno | CNSL 9218 | 310     | Cx quinquefasciatus | Clovis  | 50        | GRVD   | 08/19/2025 | WNV   |
| Fresno | FRNO 112  | 310     | Cx tarsalis         | Fresno  | 50        | BGSENT | 08/21/2025 | WNV   |

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|-------------|-------------|------|---------------------|-----------------|----|--------|------------|------|
| Fresno      | FRNO 112    | 311  | Cx quinquefasciatus | Fresno          | 50 | BGSENT | 08/21/2025 | WNV  |
| Fresno      | FRWS 100006 | 198  | Cx tarsalis         | Dos Palos       | 50 | CO2    | 08/26/2025 | WNV  |
| Fresno      | FRWS 100007 | 206  | Cx pipiens          | Firebaugh, Ca   | 50 | GRVD   | 08/26/2025 | WNV  |
| Fresno      | FRWS 1202   | 205  | Cx tarsalis         | Dos Palos       | 50 | CO2    | 08/26/2025 | WNV  |
| Fresno      | FRWS 300011 | 207  | Cx pipiens          | Firebaugh       | 15 | GRVD   | 08/26/2025 | WNV  |
| Fresno      | FRWS 400002 | 210  | Cx tarsalis         | Mendota         | 50 | BGSENT | 08/21/2025 | WNV  |
| Imperial    | IMPR 24     | 199  | Cx quinquefasciatus | Brawley         | 7  | BGSENT | 08/25/2025 | SLEV |
| Kern        | KERN 118    | 355  | Cx tarsalis         | Buttonwillow    | 39 | CO2    | 08/19/2025 | WNV  |
| Kern        | KERN 3029   | 352  | Cx tarsalis         | Buttonwillow    | 50 | CO2    | 08/19/2025 | WNV  |
| Kern        | KERN 3030   | 353  | Cx quinquefasciatus | Shafter         | 44 | CO2    | 08/19/2025 | WNV  |
| Kern        | KERN 40     | 354  | Cx tarsalis         | Lost Hills      | 32 | CO2    | 08/19/2025 | WNV  |
| Kern        | WEST 6212   | 74   | Cx tarsalis         | Bakersfield     | 11 | CO2    | 08/27/2025 | WNV  |
| Kings       | KNGS 3019   | 290  | Cx tarsalis         | Stratford       | 50 | CO2    | 08/21/2025 | WNV  |
| Kings       | KNGS 3030   | 279  | Cx tarsalis         | Lemoore         | 50 | CO2    | 08/19/2025 | WNV  |
| Kings       | KNGS 3030   | 280  | Cx tarsalis         | Lemoore         | 50 | CO2    | 08/19/2025 | WNV  |
| Kings       | KNGS 3030   | 282  | Cx tarsalis         | Lemoore         | 50 | CO2    | 08/19/2025 | WNV  |
| Kings       | KNGS 3062   | 292  | Cx tarsalis         | Lemoore         | 30 | CO2    | 08/22/2025 | WNV  |
| Kings       | KNGS 3122   | 277  | Cx tarsalis         | Hanford         | 47 | CO2    | 08/19/2025 | WNV  |
| Kings       | KNGS 9005   | 295  | Cx tarsalis         | Nas Lemoore     | 50 | CO2    | 08/22/2025 | WNV  |
| Lake        | LAKE 130    | 430  | Cx tarsalis         | Lower Lake      | 50 | CO2    | 08/27/2025 | WNV  |
| Los Angeles | ANTV 482335 | 47   | Cx quinquefasciatus | Palmdale        | 27 | GRVD   | 08/27/2025 | WNV  |
| Los Angeles | GRLA 2414   | 5743 | Cx quinquefasciatus | Granada Hills   | 50 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2419   | 5740 | Cx quinquefasciatus | Panorama City   | 50 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2421   | 5741 | Cx quinquefasciatus | Panorama City   | 50 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2574   | 5735 | Cx quinquefasciatus | Sherman Oaks    | 50 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2580   | 5734 | Cx quinquefasciatus | Sherman Oaks    | 51 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2637   | 5739 | Cx quinquefasciatus | Van Nuys        | 50 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2650   | 5738 | Cx quinquefasciatus | Van Nuys        | 50 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2651   | 5736 | Cx quinquefasciatus | Sepulveda Basin | 50 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2655   | 5737 | Cx quinquefasciatus | Lake Balboa     | 50 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2834   | 5730 | Cx quinquefasciatus | North Hills     | 18 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2850   | 5732 | Cx quinquefasciatus | Sherman Oaks    | 35 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2851   | 5733 | Cx quinquefasciatus | Van Nuys        | 50 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2855   | 5731 | Cx quinquefasciatus | Encino          | 50 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 2889   | 649  | Cx quinquefasciatus | Lakewood        | 50 | GRVD   | 08/22/2025 | WNV  |
| Los Angeles | GRLA 2937   | 5728 | Cx quinquefasciatus | Burbank         | 50 | GRVD   | 08/20/2025 | WNV  |
| Los Angeles | GRLA 3034   | 5742 | Cx quinquefasciatus | North Hills     | 50 | GRVD   | 08/21/2025 | WNV  |
| Los Angeles | GRLA 3060   | 631  | Cx quinquefasciatus | Norwalk         | 50 | GRVD   | 08/20/2025 | WNV  |
| Madera      | MADR 1012   | 671  | Cx tarsalis         | Madera County   | 50 | CO2    | 08/21/2025 | WNV  |
| Madera      | MADR 12     | 683  | Cx tarsalis         | Madera          | 8  | CO2    | 08/22/2025 | WNV  |
| Madera      | MADR 12358  | 668  | Cx tarsalis         | Madera          | 30 | CO2    | 08/21/2025 | WNV  |
| Madera      | MADR 12360  | 666  | Cx tarsalis         | Madera          | 45 | CO2    | 08/21/2025 | WNV  |
| Madera      | MADR 12382  | 680  | Cx tarsalis         | Madera          | 28 | CO2    | 08/22/2025 | WNV  |
| Madera      | MADR 12602  | 700  | Cx tarsalis         | El Nido         | 50 | CO2    | 08/22/2025 | WNV  |
| Madera      | MADR 12610  | 663  | Cx tarsalis         | Madera          | 50 | CO2    | 08/21/2025 | WNV  |
| Madera      | MADR 12611  | 673  | Cx tarsalis         | Madera          | 50 | CO2    | 08/21/2025 | WNV  |
| Madera      | MADR 12633  | 679  | Cx tarsalis         | Madera          | 42 | CO2    | 08/21/2025 | WNV  |
| Madera      | MADR 309    | 674  | Cx tarsalis         | Madera          | 41 | CO2    | 08/21/2025 | WNV  |
| Madera      | MADR 581    | 675  | Cx tarsalis         | Madera          | 41 | CO2    | 08/21/2025 | WNV  |
| Madera      | MADR 688    | 678  | Cx tarsalis         | Madera          | 29 | CO2    | 08/21/2025 | WNV  |
| Madera      | MADR 751    | 695  | Cx tarsalis         | Chowchilla      | 50 | CO2    | 08/22/2025 | WNV  |
| Madera      | MADR 763    | 685  | Cx tarsalis         | Madera          | 29 | CO2    | 08/22/2025 | WNV  |
| Madera      | MADR 775    | 662  | Cx tarsalis         | Madera          | 12 | CO2    | 08/21/2025 | WNV  |
| Orange      | ORCO 1009   | 2422 | Cx quinquefasciatus | Garden Grove    | 22 | GRVD   | 08/26/2025 | WNV  |
| Orange      | ORCO 1009   | 2423 | Cx quinquefasciatus | Garden Grove    | 17 | GRVD   | 08/26/2025 | WNV  |
| Orange      | ORCO 1009   | 2433 | Cx quinquefasciatus | Garden Grove    | 15 | GRVD   | 08/26/2025 | WNV  |
| Orange      | ORCO 216    | 2516 | Cx quinquefasciatus | Orange          | 5  | CO2    | 08/27/2025 | WNV  |
| Orange      | ORCO 218    | 2432 | Cx quinquefasciatus | Anaheim         | 30 | GRVD   | 08/26/2025 | WNV  |
| Orange      | ORCO 321    | 2455 | Cx quinquefasciatus | Anaheim         | 50 | GRVD   | 08/26/2025 | WNV  |
| Orange      | ORCO 337    | 2461 | Cx quinquefasciatus | Anaheim         | 17 | GRVD   | 08/26/2025 | WNV  |
| Orange      | ORCO 338    | 2476 | Cx quinquefasciatus | Anaheim         | 36 | GRVD   | 08/26/2025 | WNV  |
| Orange      | ORCO 82     | 2467 | Cx quinquefasciatus | Cypress         | 47 | GRVD   | 08/26/2025 | WNV  |
| Placer      | PLCR 1113   | 1794 | Cx tarsalis         | Pleasant Grove  | 29 | CO2    | 08/26/2025 | WNV  |
| Placer      | PLCR 1114   | 1798 | Cx tarsalis         | Lincoln         | 50 | CO2    | 08/26/2025 | WNV  |
| Placer      | PLCR 139    | 1766 | Cx tarsalis         | Roseville       | 50 | CO2    | 08/26/2025 | WNV  |
| Placer      | PLCR 139    | 1767 | Cx tarsalis         | Roseville       | 50 | CO2    | 08/26/2025 | WNV  |
| Placer      | PLCR 191218 | 1769 | Cx tarsalis         | Roseville       | 50 | CO2    | 08/26/2025 | WNV  |
| Placer      | PLCR 191218 | 1770 | Cx tarsalis         | Roseville       | 50 | CO2    | 08/26/2025 | WNV  |

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| Placer      | PLCR 191218 | 1771  | Cx tarsalis     | Roseville      | 50 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 191218 | 1773  | Cx stigmatosoma | Roseville      | 12 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 191373 | 1775  | Cx tarsalis     | Pleasant Grove | 50 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 191373 | 1776  | Cx tarsalis     | Pleasant Grove | 50 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 191373 | 1777  | Cx tarsalis     | Pleasant Grove | 50 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 191373 | 1779  | Cx tarsalis     | Pleasant Grove | 50 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 25     | 1790  | Cx tarsalis     | Lincoln        | 50 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 678519 | 1781  | Cx tarsalis     | Elverta        | 50 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 678519 | 1782  | Cx tarsalis     | Elverta        | 50 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 678519 | 1783  | Cx tarsalis     | Elverta        | 50 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 678519 | 1784  | Cx tarsalis     | Elverta        | 50 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 719276 | 1726  | Cx tarsalis     | Roseville      | 35 | CO2  | 08/26/2025 | WNV  |
| Placer      | PLCR 86     | 1825  | Cx stigmatosoma | Rocklin        | 3  | CO2  | 08/27/2025 | WNV  |
| Riverside   | COAV 0      | 4277  | Cx tarsalis     | Indio          | 11 | CO2  | 08/28/2025 | SLEV |
| Riverside   | COAV 121    | 4264  | Cx tarsalis     | Mecca          | 29 | CO2  | 08/26/2025 | SLEV |
| Riverside   | COAV 121    | 4284  | Cx tarsalis     | Mecca          | 50 | CO2  | 08/28/2025 | SLEV |
| Riverside   | COAV 51     | 4197  | Cx tarsalis     | North Shore    | 9  | CO2  | 08/26/2025 | SLEV |
| Riverside   | COAV 57     | 4279  | Cx tarsalis     | North Shore    | 50 | CO2  | 08/28/2025 | SLEV |
| Riverside   | COAV 57     | 4280  | Cx tarsalis     | North Shore    | 31 | CO2  | 08/28/2025 | SLEV |
| Sacramento  | SAYO 203018 | 3976  | Cx pipiens      | Rio Linda      | 1  | GRVD | 08/22/2025 | WNV  |
| Sacramento  | SAYO 243026 | 3950  | Cx pipiens      | Elk Grove      | 32 | CO2  | 08/22/2025 | WNV  |
| Sacramento  | SAYO 254021 | 3959  | Cx tarsalis     | Galt           | 27 | CO2  | 08/22/2025 | WNV  |
| Sacramento  | SAYO 280001 | 3933  | Cx tarsalis     | Rio Vista      | 50 | CO2  | 08/22/2025 | WNV  |
| Sacramento  | SAYO 439285 | 4160  | Cx stigmatosoma | Sacramento     | 5  | GRVD | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8008   | 1925  | Cx tarsalis     | Manteca        | 50 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8010   | 1878  | Cx tarsalis     | Ripon          | 50 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8027   | 1902  | Cx tarsalis     | Stockton       | 40 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8029   | 1824  | Cx pipiens      | Farmington     | 39 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8045   | 1818  | Cx tarsalis     | Thornton       | 39 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8083   | 1866  | Cx tarsalis     | Escalon        | 50 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8083   | 1869  | Cx pipiens      | Escalon        | 50 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8083   | 1871  | Cx pipiens      | Escalon        | 50 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8106   | 1793  | Cx pipiens      | Escalon        | 46 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8160   | 1811  | Cx tarsalis     | Lodi           | 50 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8160   | 1812  | Cx tarsalis     | Lodi           | 50 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8198   | 1797  | Cx tarsalis     | Stockton       | 50 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8198   | 1798  | Cx tarsalis     | Stockton       | 26 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8204   | 1909  | Cx tarsalis     | Stockton       | 50 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8210   | 1825  | Cx tarsalis     | Escalon        | 33 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8210   | 1826  | Cx pipiens      | Escalon        | 50 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8210   | 1827  | Cx pipiens      | Escalon        | 50 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 8218   | 1808  | Cx tarsalis     | Escalon        | 15 | CO2  | 08/26/2025 | WNV  |
| San Joaquin | SJCM 9906   | 1787  | Cx tarsalis     | French Camp    | 50 | CO2  | 08/26/2025 | WNV  |
| Santa Clara | STCL 30946  | 1440  | Cx pipiens      | San Jose       | 22 | GRVD | 08/21/2025 | WNV  |
| Santa Clara | STCL 694423 | 1450  | Cx pipiens      | San Jose       | 22 | GRVD | 08/22/2025 | WNV  |
| Solano      | SOLA 33     | 912   | Cx tarsalis     | Dixon          | 57 | CO2  | 08/28/2025 | WNV  |
| Solano      | SOLA 33     | 913   | Cx pipiens      | Dixon          | 18 | CO2  | 08/28/2025 | WNV  |
| Solano      | SOLA 94     | 877   | Cx tarsalis     | Dixon          | 50 | CO2  | 08/26/2025 | WNV  |
| Solano      | SOLA 94     | 878   | Cx tarsalis     | Dixon          | 50 | CO2  | 08/26/2025 | WNV  |
| Solano      | SOLA 94     | 879   | Cx tarsalis     | Dixon          | 50 | CO2  | 08/26/2025 | WNV  |
| Solano      | SOLA 94     | 880   | Cx tarsalis     | Dixon          | 50 | CO2  | 08/26/2025 | WNV  |
| Solano      | SOLA 94     | 881   | Cx tarsalis     | Dixon          | 50 | CO2  | 08/26/2025 | WNV  |
| Solano      | SOLA 94     | 882   | Cx pipiens      | Dixon          | 24 | CO2  | 08/26/2025 | WNV  |
| Stanislaus  | EAST 2050   | 25236 | Cx pipiens      | Modesto        | 35 | GRVD | 08/20/2025 | WNV  |
| Stanislaus  | EAST 2094   | 25246 | Cx pipiens      | Modesto        | 24 | GRVD | 08/22/2025 | WNV  |
| Stanislaus  | EAST 2095   | 25247 | Cx pipiens      | Oakdale        | 50 | CO2  | 08/22/2025 | WNV  |
| Stanislaus  | EAST 2102   | 25239 | Cx pipiens      | Oakdale        | 43 | GRVD | 08/20/2025 | WNV  |
| Stanislaus  | TRLK 1108   | 746   | Cx tarsalis     | Modesto        | 50 | CO2  | 08/26/2025 | WNV  |
| Stanislaus  | TRLK 1202   | 712   | Cx pipiens      | Hughson        | 48 | CO2  | 08/26/2025 | WNV  |
| Stanislaus  | TRLK 1214   | 728   | Cx pipiens      | Turlock        | 50 | CO2  | 08/26/2025 | WNV  |
| Stanislaus  | TRLK 1214   | 729   | Cx pipiens      | Turlock        | 44 | CO2  | 08/26/2025 | WNV  |
| Stanislaus  | TRLK 1214   | 753   | Cx pipiens      | Turlock        | 50 | CO2  | 08/26/2025 | WNV  |
| Stanislaus  | TRLK 1219   | 717   | Cx tarsalis     | Modesto        | 50 | CO2  | 08/26/2025 | WNV  |
| Stanislaus  | TRLK 1219   | 718   | Cx tarsalis     | Modesto        | 17 | CO2  | 08/26/2025 | WNV  |
| Stanislaus  | TRLK 1612   | 758   | Cx tarsalis     | Turlock        | 39 | CO2  | 08/26/2025 | WNV  |
| Stanislaus  | TRLK 17131  | 738   | Cx pipiens      | Turlock        | 17 | CO2  | 08/26/2025 | WNV  |
| Stanislaus  | TRLK 17152  | 764   | Cx tarsalis     | Denair         | 38 | CO2  | 08/26/2025 | WNV  |
| Stanislaus  | TRLK 1905   | 708   | Cx pipiens      | Denair         | 32 | CO2  | 08/26/2025 | WNV  |

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|            |             |      |                     |                       |    |        |            |     |
|------------|-------------|------|---------------------|-----------------------|----|--------|------------|-----|
| Stanislaus | TRLK 19519  | 740  | Cx pipiens          | Denair                | 50 | CO2    | 08/26/2025 | WNV |
| Stanislaus | TRLK 19519  | 741  | Cx pipiens          | Denair                | 37 | CO2    | 08/26/2025 | WNV |
| Stanislaus | TRLK 19519  | 742  | Cx tarsalis         | Denair                | 50 | CO2    | 08/26/2025 | WNV |
| Stanislaus | TRLK 25418  | 694  | Cx pipiens          | Turlock               | 50 | CO2    | 08/20/2025 | WNV |
| Stanislaus | TRLK 407    | 725  | Cx pipiens          | Turlock               | 32 | CO2    | 08/26/2025 | WNV |
| Stanislaus | TRLK 432    | 722  | Cx pipiens          | Turlock               | 47 | CO2    | 08/26/2025 | WNV |
| Stanislaus | TRLK 526    | 768  | Cx pipiens          | Denair                | 50 | CO2    | 08/26/2025 | WNV |
| Stanislaus | TRLK 526    | 769  | Cx pipiens          | Denair                | 50 | CO2    | 08/26/2025 | WNV |
| Stanislaus | TRLK 526    | 774  | Cx tarsalis         | Denair                | 50 | CO2    | 08/26/2025 | WNV |
| Stanislaus | TRLK 536    | 703  | Cx pipiens          | Turlock               | 22 | CO2    | 08/26/2025 | WNV |
| Stanislaus | TRLK 613    | 732  | Cx tarsalis         | Hickman               | 50 | CO2    | 08/26/2025 | WNV |
| Sutter     | SUYA 14     | 551  | Cx tarsalis         | Sutter                | 21 | REST   | 08/25/2025 | WNV |
| Tulare     | DLTA 509423 | 3236 | Cx tarsalis         | West Goshen           | 10 | BGSENT | 08/27/2025 | WNV |
| Tulare     | DLTA 509423 | 3237 | Cx quinquefasciatus | West Goshen           | 46 | BGSENT | 08/27/2025 | WNV |
| Tulare     | DLTA 509431 | 3214 | Cx quinquefasciatus | Visalia Uab           | 21 | GRVD   | 08/26/2025 | WNV |
| Tulare     | DLTA 509473 | 3160 | Cx quinquefasciatus | Visalia               | 17 | BGSENT | 08/22/2025 | WNV |
| Tulare     | DLTA 509485 | 3223 | Cx quinquefasciatus | Traver Udb            | 18 | BGSENT | 08/26/2025 | WNV |
| Tulare     | DLTA 509572 | 3219 | Cx quinquefasciatus | Dinuba                | 21 | CO2    | 08/26/2025 | WNV |
| Tulare     | DLTA 509590 | 3134 | Cx quinquefasciatus | Exeter                | 12 | CO2    | 08/21/2025 | WNV |
| Tulare     | DLTA 509636 | 3207 | Cx quinquefasciatus | London                | 50 | CO2    | 08/26/2025 | WNV |
| Tulare     | DLTA 509636 | 3208 | Cx quinquefasciatus | London                | 50 | CO2    | 08/26/2025 | WNV |
| Tulare     | DLTA 509636 | 3209 | Cx quinquefasciatus | London                | 40 | CO2    | 08/26/2025 | WNV |
| Tulare     | DLTA 509636 | 3210 | Cx tarsalis         | London                | 16 | CO2    | 08/26/2025 | WNV |
| Tulare     | DLTA 509649 | 3118 | Cx quinquefasciatus | Exeter                | 42 | CO2    | 08/21/2025 | WNV |
| Tulare     | DLTA 509649 | 3120 | Cx stigmatosoma     | Exeter                | 32 | CO2    | 08/21/2025 | WNV |
| Tulare     | DLTA 509651 | 3129 | Cx quinquefasciatus | Exeter                | 37 | CO2    | 08/21/2025 | WNV |
| Tulare     | DLTA 509671 | 3158 | Cx tarsalis         | Seville               | 50 | CO2    | 08/22/2025 | WNV |
| Tulare     | DLTA 509675 | 3171 | Cx tarsalis         | Seville               | 50 | CO2    | 08/22/2025 | WNV |
| Tulare     | DLTA 509675 | 3175 | Cx stigmatosoma     | Seville               | 11 | CO2    | 08/22/2025 | WNV |
| Tulare     | DLTA 509703 | 3218 | Cx quinquefasciatus | Cutler                | 35 | CO2    | 08/26/2025 | WNV |
| Tulare     | DLTA 509753 | 3163 | Cx quinquefasciatus | Yetttem               | 50 | CO2    | 08/22/2025 | WNV |
| Tulare     | DLTA 509753 | 3165 | Cx quinquefasciatus | Yetttem               | 38 | CO2    | 08/22/2025 | WNV |
| Tulare     | DLTA 509753 | 3166 | Cx stigmatosoma     | Yetttem               | 50 | CO2    | 08/22/2025 | WNV |
| Tulare     | DLTA 509753 | 3167 | Cx tarsalis         | Yetttem               | 39 | CO2    | 08/22/2025 | WNV |
| Tulare     | DLTA 509757 | 3143 | Cx quinquefasciatus | Ivanhoe               | 36 | CO2    | 08/22/2025 | WNV |
| Tulare     | DLTA 509795 | 3161 | Cx stigmatosoma     | Exeter                | 12 | GRVD   | 08/22/2025 | WNV |
| Tulare     | DLTA 509839 | 3253 | Cx quinquefasciatus | Dinuba                | 34 | BGSENT | 08/27/2025 | WNV |
| Tulare     | DLTA 509849 | 3177 | Cx quinquefasciatus | Cutler-Orosi Udb      | 50 | BGSENT | 08/22/2025 | WNV |
| Tulare     | DLTA 509850 | 3247 | Cx quinquefasciatus | Cutler-Orosi Udb      | 28 | GRVD   | 08/27/2025 | WNV |
| Tulare     | DLTA 509877 | 3259 | Cx quinquefasciatus | Farmersville          | 12 | GRVD   | 08/27/2025 | WNV |
| Tulare     | DLTA 509972 | 3275 | Cx quinquefasciatus | Visalia               | 19 | GRVD   | 08/28/2025 | WNV |
| Tulare     | TLRE 192435 | 139  | Cx quinquefasciatus | Tulare                | 17 | GRVD   | 08/20/2025 | WNV |
| Tulare     | TLRE 192435 | 140  | Cx quinquefasciatus | Tulare                | 50 | GRVD   | 08/20/2025 | WNV |
| Tulare     | TLRE 192508 | 146  | Cx quinquefasciatus | Visalia               | 21 | GRVD   | 08/21/2025 | WNV |
| Tulare     | TLRE 202412 | 133  | Cx quinquefasciatus | Tulare                | 17 | GRVD   | 08/15/2025 | WNV |
| Tulare     | TLRE 202635 | 134  | Cx quinquefasciatus | Plainview             | 50 | GRVD   | 08/19/2025 | WNV |
| Tulare     | TLRE 202635 | 135  | Cx tarsalis         | Plainview             | 50 | GRVD   | 08/19/2025 | WNV |
| Yolo       | SAYO 115008 | 4174 | Cx tarsalis         | Woodland              | 50 | CO2    | 08/26/2025 | WNV |
| Yolo       | SAYO 115008 | 4176 | Cx tarsalis         | Woodland              | 50 | CO2    | 08/26/2025 | WNV |
| Yolo       | SAYO 125016 | 3876 | Cx tarsalis         | Woodland              | 6  | CO2    | 08/22/2025 | WNV |
| Yolo       | SAYO 135006 | 3895 | Cx tarsalis         | Woodland              | 47 | CO2    | 08/22/2025 | WNV |
| Yolo       | SAYO 438337 | 4016 | Cx tarsalis         | Woodland              | 50 | CO2    | 08/22/2025 | WNV |
| Yolo       | SAYO 438339 | 4002 | Cx tarsalis         | Woodland              | 50 | CO2    | 08/22/2025 | WNV |
| Yolo       | SAYO 438339 | 4010 | Cx tarsalis         | Woodland              | 50 | CO2    | 08/22/2025 | WNV |
| Yolo       | SAYO 438339 | 4018 | Cx tarsalis         | Woodland              | 50 | CO2    | 08/22/2025 | WNV |
| Yolo       | SAYO 438342 | 4021 | Cx tarsalis         | Davis                 | 50 | CO2    | 08/22/2025 | WNV |
| Yolo       | SAYO 438400 | 4004 | Cx tarsalis         | Davis                 | 50 | CO2    | 08/22/2025 | WNV |
| Yolo       | SAYO 438400 | 4012 | Cx tarsalis         | Davis                 | 50 | CO2    | 08/22/2025 | WNV |
| Yuba       | SUYA 39     | 560  | Cx tarsalis         | Marysville (Hallwood) | 31 | CO2    | 08/26/2025 | WNV |

### Sentinel Chickens

| County | Site Code   | Nearest City | Date Bled | Virus | Band 1 | Band 2 |
|--------|-------------|--------------|-----------|-------|--------|--------|
| Butte  | BUCO 000001 | Chico        | 8/19/2025 | WNV   | 3433   |        |
| Lake   | LAKE 000226 | Lower Lake   | 8/19/2025 | WNV   | 3886   |        |
| Sutter | SUYA 000030 | Live Oak     | 8/21/2025 | WNV   | 3657   |        |
| Yuba   | SUYA 000007 | Marysville   | 8/21/2025 | WNV   | 3651   | 3652   |

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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)*