

California Arbovirus Surveillance Bulletin #21

Week 34 Friday, August 25, 2017



Weekly Update

Humans

A total of 18 new human cases of West Nile virus (WNV) illness were reported this week from the following nine counties: Fresno (1), Kern (2), Los Angeles (4), Orange (3), Riverside (1), San Bernardino (1), Stanislaus (4), Sutter (1), and Tulare (1). **These are the first human WNV cases reported from Fresno, Orange, and Sutter counties in 2017.** To date this year, a total of 59 human cases of WNV illness have been reported from 12 counties. Of the 59 case-patients, 45 (76%) had neuroinvasive disease; no fatalities have been reported. The median age of the individuals is 59 years (range: 4–82 years) and 42 (71%) are male. Dates of symptom onset ranged from March 16 to August 11. In addition to the 59 symptomatic cases, 10 asymptomatic WNV-positive blood donors have been reported from Humboldt (1), Los Angeles (4) Orange (1), Stanislaus (1), and San Bernardino (3) counties. As of this date in 2016, 78 human WNV cases had been reported from 17 counties.

Dead Birds

A total of 36 WNV positive dead birds were reported this week from the following 10 counties: Fresno (1), Los Angeles (11), Orange (6), Riverside (1), Sacramento (9), San Bernardino (3), San Diego (1), Sonoma (1), Sutter (1), and Yuba (2). **This is the first detection of WNV activity in Sonoma County this year.** To date this year, 239 birds from 30 counties have tested positive for WNV. As of this date in 2016, 1,081 WNV positive birds had been reported from 32 counties.

Mosquito Pools

West Nile Virus

A total of 244 WNV positive mosquito pools were reported this week from the following 21 counties: Butte (5), Contra Costa (2), Fresno (24), Inyo (1), Kern (8), Kings (8), Lake (3), Los Angeles (63), Madera (10), Merced (8), Orange (22), Placer (4), Riverside (15), Sacramento (12), San Bernardino (6), San Joaquin (7), Solano (1), Stanislaus (20), Tulare (16), Yolo (7), and Yuba (2). To date this year, 2,284 WNV positive mosquito pools have been reported from 24 counties. As of this date in 2016, 2,780 WNV positive mosquito pools had been reported from 30 counties.

St. Louis Encephalitis Virus

A total of nine mosquito pools tested positive for St. Louis encephalitis virus (SLEV) this week from three counties: Fresno (5), Kern (2), and Kings (2). To date this year, 48 SLEV positive mosquito pools have been reported from Fresno (21), Kern (8), Kings (11), Placer (1), Riverside (1), Stanislaus (3), Tulare (2), and Yuba (1) counties. As of this date in 2016, 110 SLEV positive mosquito pools had been reported from five counties.

Sentinel Chickens

West Nile virus

A total of 38 WNV seroconversions were reported this week from five counties: Los Angeles (23), Merced (1), Sacramento (2), San Bernardino (11), and Sutter (1). **These are the first WNV seroconversions reported from Sacramento County in 2017.** To date this year, 130 WNV seroconversions have been reported from 10 counties. As of this date in 2016, 213 WNV seroconversions had been detected from 15 counties.

St. Louis Encephalitis Virus

A total of two SLEV seroconversions were reported this week from San Bernardino County. To date this year, seven SLEV positive chickens have been reported from Merced (1) and San Bernardino (6) counties. As of this date in 2016, two SLEV seroconversions had been detected in one flock located in San Bernardino County.

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| 2016 & 2017 YTD West Nile Virus Comparisons | | |
|---|----------------|----------------|
| | 2016 | 2017 |
| Total # Dead Bird Reports | 7,349 | 5,395 |
| # Positive Counties | 36 | 32 |
| # Human Cases | 78 | 59 |
| # Positive Dead Birds / # Tested | 1,081 / 2,225 | 239 / 1,381 |
| # Positive Mosquito Pools / # Tested | 2,780 / 31,460 | 2,284 / 30,187 |
| # Seroconversions / # Tested | 213 / 7,166 | 130 / 7,661 |

| YTD WNV Activity by Element and County, 2017 | | | | |
|--|-----------|------------|----------------|-------------------|
| County | Humans | Dead Birds | Mosquito Pools | Sentinel Chickens |
| Alameda | | 1 | | |
| Butte | 1 | 2 | 31 | 9 |
| Colusa | | 1 | | |
| Contra Costa | | 5 | 5 | 4 |
| El Dorado | | 1 | | |
| Fresno | 1 | 3 | 98 | |
| Glenn | | | 11 | |
| Inyo | | | 7 | |
| Kern | 8 | 3 | 137 | |
| Kings | 1 | 1 | 65 | |
| Lake | | 1 | 11 | 1 |
| Los Angeles | 27 | 43 | 331 | 66 |
| Madera | | | 35 | |
| Monterey | | 1 | | |
| Merced | | 1 | 32 | 14 |
| Nevada | | 1 | | |
| Orange | 3 | 21 | 116 | |
| Placer | | 1 | 28 | |
| Riverside | 2 | 24 | 159 | |
| Sacramento | | 49 | 79 | 2 |
| San Bernardino | 6 | 30 | 207 | 23 |
| San Diego | | 15 | 3 | |
| San Joaquin | 1 | 6 | 152 | |
| San Mateo | | 1 | | |
| Santa Clara | | 5 | | |
| Santa Cruz | | 1 | | |
| Solano | | 1 | 4 | 1 |
| Sonoma | | 1 | | |
| Stanislaus | 6 | 3 | 130 | |
| Sutter | 1 | 2 | 15 | 8 |
| Tulare | 2 | 8 | 571 | |
| Yolo | | 1 | 40 | |
| Yuba | | 6 | 17 | 2 |
| Totals | 59 | 239 | 2,284 | 130 |

Website Information: For updated information on WNV in California, please visit the California WNV website, www.westmile.ca.gov, or the California Vectorborne Disease Surveillance System website, www.calsurv.org. For national information on WNV and other arboviruses, please visit the CDC website, www.cdc.gov, and the USGS website, www.westmilemaps.usgs.gov

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TESTING SUMMARIES

Humans

| | | WNV | SLE | WEE |
|-------------|------|-----|-----|-----|
| Human Cases | Week | 18 | 0 | 0 |
| | YTD | 59 | 0 | 0 |

Dead Birds

| | | Number Tested | WNV Positive |
|------------|------|---------------|--------------|
| Dead Birds | Week | 73 | 36 |
| | YTD | 1,381 | 239 |

Chickens

| | | Number Tested | WNV Positive | SLEV Positive | WEEV Positive |
|--------------|------|---------------|--------------|---------------|---------------|
| Chicken Sera | Week | 358 | 38 | 2 | 0 |
| | YTD | 7,661 | 130 | 7 | 0 |

Mosquitoes

| | | Positive / Total Tested | | | | | |
|----------------|--|-------------------------|-------------|------------|-----------|---------|---------|
| Mosquito Pools | | WNV | SLEV | WEEV | CHIK | DENV | ZIKA |
| | | Week | 244 / 1,400 | 9 / 1,095 | 0 / 1,095 | 0 / 72 | 0 / 72 |
| YTD | | 2,284 / 30,147 | 48 / 25,028 | 0 / 23,236 | 0 / 966 | 0 / 966 | 0 / 966 |

New Positives

Dead Birds

| County | Agency | City | Zip Code | Species | Date Reported | Virus |
|-------------|-------------------------------------|---------------|----------|-------------------|---------------|-------|
| Fresno | Fresno MVCD | Fresno | 93711 | Western Scrub-Jay | 8/22/2017 | WNV |
| Los Angeles | Greater Los Angeles Co VCD - Sylmar | Chatsworth | 91311 | American Crow | 8/18/2017 | WNV |
| Los Angeles | Los Angeles Co Veterinarian | Covina | 91722 | American Crow | 8/17/2017 | WNV |
| Los Angeles | Los Angeles Co Veterinarian | Los Angeles | 90035 | American Crow | 8/18/2017 | WNV |
| Los Angeles | Los Angeles Co Veterinarian | Los Angeles | 90036 | American Crow | 8/15/2017 | WNV |
| Los Angeles | Los Angeles Co Veterinarian | Santa Clarita | 91350 | American Crow | 8/10/2017 | WNV |
| Los Angeles | Los Angeles Co Veterinarian | Santa Clarita | 91354 | American Crow | 8/14/2017 | WNV |
| Los Angeles | Los Angeles Co Veterinarian | Santa Monica | 90405 | American Crow | 8/18/2017 | WNV |
| Los Angeles | San Gabriel Valley MVCD | Covina | 91724 | Swallow | 8/11/2017 | WNV |
| Los Angeles | San Gabriel Valley MVCD | Duarte | 91010 | American Crow | 8/17/2017 | WNV |
| Los Angeles | San Gabriel Valley MVCD | La Puente | 91744 | American Crow | 8/11/2017 | WNV |

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|----------------|-------------------------|----------------|-------|----------------------|-----------|-----|
| Los Angeles | San Gabriel Valley MVCD | West Covina | 91791 | American Crow | 8/22/2017 | WNV |
| Orange | Orange Co VCD | Anaheim | 90623 | American Crow | 8/21/2017 | WNV |
| Orange | Orange Co VCD | La Habra | 90631 | Bushtit | 8/21/2017 | WNV |
| Orange | Orange Co VCD | La Habra | 90631 | House Finch | 8/15/2017 | WNV |
| Orange | Orange Co VCD | Orange | 92866 | American Crow | 8/16/2017 | WNV |
| Orange | Orange Co VCD | Silverado | 92676 | American Crow | 8/16/2017 | WNV |
| Orange | Orange Co VCD | Yorba Linda | 92886 | American Crow | 8/16/2017 | WNV |
| Riverside | Northwest Mosquito VCD | Riverside | 92506 | House Finch | 8/5/2017 | WNV |
| Sacramento | Sacramento-Yolo MVCD | Citrus Heights | 95621 | Western Scrub-Jay | 8/18/2017 | WNV |
| Sacramento | Sacramento-Yolo MVCD | Elk Grove | 95624 | American Crow | 8/18/2017 | WNV |
| Sacramento | Sacramento-Yolo MVCD | Elk Grove | 95624 | Yellow-billed Magpie | 8/19/2017 | WNV |
| Sacramento | Sacramento-Yolo MVCD | Elverta | 95626 | Cooper's Hawk | 8/19/2017 | WNV |
| Sacramento | Sacramento-Yolo MVCD | Sacramento | 95821 | Western Scrub-Jay | 8/18/2017 | WNV |
| Sacramento | Sacramento-Yolo MVCD | Sacramento | 95821 | Yellow-billed Magpie | 8/20/2017 | WNV |
| Sacramento | Sacramento-Yolo MVCD | Sacramento | 95826 | House Finch | 8/21/2017 | WNV |
| Sacramento | Sacramento-Yolo MVCD | Sacramento | 95835 | Anna's Hummingbird | 8/19/2017 | WNV |
| Sacramento | Sacramento-Yolo MVCD | Sacramento | 95864 | Northern Mockingbird | 8/20/2017 | WNV |
| San Bernardino | San Bernardino VCP | Highland | 92346 | American Crow | 8/7/2017 | WNV |
| San Bernardino | San Bernardino VCP | Highland | 92346 | American Crow | 8/9/2017 | WNV |
| San Bernardino | West Valley MVCD | Chino Hills | 91709 | American Crow | 8/23/2017 | WNV |
| San Diego | San Diego Co VCP | Santee | 92071 | American Crow | 8/24/2017 | WNV |
| Sonoma | Marin-Sonoma MVCD | Santa Rosa | 95409 | American Crow | 8/24/2017 | WNV |
| Sutter | Sutter-Yuba MVCD | Yuba City | 95991 | Western Scrub-Jay | 8/17/2017 | WNV |
| Yuba | Sutter-Yuba MVCD | Olivehurst | 95961 | Sparrow | 8/16/2017 | WNV |
| Yuba | Sutter-Yuba MVCD | Wheatland | 95692 | American Crow | 8/15/2017 | WNV |

Mosquito Pools

| County | Site Code | Pool # | Species | City | # in Pool | Trap Type | Collected | Virus |
|--------------|------------|--------|----------------------|---------------|-----------|-----------|-----------|-------|
| Butte | BUCO141 | 297 | Cx. tarsalis | Oroville | 50 | CO2 | 8/16/17 | WNV |
| Butte | BUCO142 | 300 | Cx. tarsalis | Gridley | 50 | CO2 | 8/16/17 | WNV |
| Butte | BUCO142 | 301 | Cx. tarsalis | Gridley | 50 | CO2 | 8/16/17 | WNV |
| Butte | BUCO142 | 302 | Cx. tarsalis | Gridley | 36 | CO2 | 8/16/17 | WNV |
| Butte | BUCO64 | 307 | Cx. tarsalis | Chico | 46 | CO2 | 8/16/17 | WNV |
| Contra Costa | CNTR8202 | 334 | Cx. pipiens | Discovery Bay | 23 | CO2 | 8/21/17 | WNV |
| Contra Costa | CNTR97210 | 344 | Cx. pipiens | Brentwood | 17 | CO2 | 8/23/17 | WNV |
| Fresno | CNSL2416 | 407 | Cx. quinquefasciatus | Sanger | 14 | BGSENT | 8/10/17 | WNV |
| Fresno | CNSL2473 | 408 | Cx. tarsalis | Sanger | 21 | BGSENT | 8/10/17 | SLEV |
| Fresno | CNSL3092 | 426 | Cx. quinquefasciatus | Reedley | 21 | GRVD | 8/16/17 | WNV |
| Fresno | CNSL3202 | 425 | Cx. quinquefasciatus | Reedley | 50 | GRVD | 8/16/17 | WNV |
| Fresno | CNSL4057 | 414 | Cx. quinquefasciatus | Fowler | 37 | BGSENT | 8/11/17 | WNV |
| Fresno | CNSL4092 | 415 | Cx. quinquefasciatus | Fowler | 29 | BGSENT | 8/11/17 | WNV |
| Fresno | CNSL4124 | 423 | Cx. quinquefasciatus | Selma | 41 | GRVD | 8/15/17 | WNV |
| Fresno | CNSL6071 | 403 | Cx. quinquefasciatus | Caruthers | 39 | GRVD | 8/9/17 | WNV |
| Fresno | CNSL6240 | 400 | Cx. quinquefasciatus | Caruthers | 50 | GRVD | 8/9/17 | SLEV |
| Fresno | CNSL6240 | 400 | Cx. quinquefasciatus | Caruthers | 50 | GRVD | 8/9/17 | WNV |
| Fresno | CNSL6281 | 405 | Cx. quinquefasciatus | Caruthers | 50 | GRVD | 8/9/17 | WNV |
| Fresno | CNSL6282 | 402 | Cx. quinquefasciatus | Caruthers | 25 | GRVD | 8/9/17 | WNV |
| Fresno | CNSL6284 | 395 | Cx. quinquefasciatus | Caruthers | 35 | GRVD | 8/9/17 | WNV |
| Fresno | FRWS2105 | 405 | Cx. tarsalis | Dos Palos | 47 | CO2 | 8/22/17 | WNV |
| Fresno | FRWS300031 | 394 | Cx. tarsalis | | 50 | CO2 | 8/22/17 | WNV |
| Fresno | FRWS300031 | 395 | Cx. tarsalis | | 50 | CO2 | 8/22/17 | WNV |
| Fresno | FRWS300031 | 396 | Cx. tarsalis | | 50 | CO2 | 8/22/17 | SLEV |
| Fresno | FRWS300031 | 396 | Cx. tarsalis | | 50 | CO2 | 8/22/17 | WNV |
| Fresno | FRWS300031 | 397 | Cx. tarsalis | | 50 | CO2 | 8/22/17 | SLEV |

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|-------------|------------|------|----------------------|------------------|----|--------|---------|------|
| Fresno | FRWS300112 | 382 | Cx. quinquefasciatus | | 27 | BGSENT | 8/18/17 | WNV |
| Fresno | FRWS4106 | 378 | Cx. tarsalis | Mendota | 50 | CO2 | 8/17/17 | WNV |
| Fresno | FRWS4106 | 379 | Cx. tarsalis | Mendota | 50 | CO2 | 8/17/17 | WNV |
| Fresno | FRWS4106 | 380 | Cx. tarsalis | Mendota | 50 | CO2 | 8/17/17 | WNV |
| Fresno | FRWS4106 | 381 | Cx. tarsalis | Mendota | 41 | CO2 | 8/17/17 | SLEV |
| Fresno | FRWS4106 | 381 | Cx. tarsalis | Mendota | 41 | CO2 | 8/17/17 | WNV |
| Fresno | FRWS500011 | 402 | Cx. tarsalis | | 23 | CO2 | 8/22/17 | WNV |
| Fresno | FRWS500028 | 376 | Cx. tarsalis | | 50 | CO2 | 8/17/17 | WNV |
| Fresno | FRWS500028 | 377 | Cx. tarsalis | | 42 | CO2 | 8/17/17 | WNV |
| Fresno | FRWS5103 | 401 | Cx. quinquefasciatus | Tranquility | 11 | GRVD | 8/22/17 | WNV |
| Inyo | INYO1034 | 67 | Cx. tarsalis | Lone Pine | 35 | CO2 | 8/22/17 | WNV |
| Kern | DLNO111 | 208 | Cx. quinquefasciatus | Delano | 24 | GRVD | 8/18/17 | WNV |
| Kern | DLNO21 | 205 | Cx. tarsalis | Delano | 50 | CO2 | 8/17/17 | SLEV |
| Kern | DLNO21 | 205 | Cx. tarsalis | Delano | 50 | CO2 | 8/17/17 | WNV |
| Kern | DLNO43 | 209 | Cx. quinquefasciatus | McFarland | 15 | GRVD | 8/18/17 | WNV |
| Kern | DLNO53 | 207 | Cx. quinquefasciatus | Delano | 43 | GRVD | 8/18/17 | WNV |
| Kern | DLNO58 | 204 | Cx. tarsalis | McFarland | 50 | CO2 | 8/17/17 | WNV |
| Kern | DLNO67 | 211 | Cx. quinquefasciatus | Delano | 43 | GRVD | 8/22/17 | WNV |
| Kern | DLNO86 | 210 | Cx. quinquefasciatus | Delano | 50 | GRVD | 8/22/17 | SLEV |
| Kern | KERN1102 | 466 | Cx. quinquefasciatus | Wasco | 50 | CO2 | 8/17/17 | WNV |
| Kern | KERN43 | 468 | Cx. quinquefasciatus | Shafter | 50 | CO2 | 8/17/17 | WNV |
| Kings | KNGS3046 | 347 | Cx. pipiens | Hanford | 18 | CO2 | 8/17/17 | WNV |
| Kings | KNGS3108 | 328 | Cx. tarsalis | Island | 50 | CO2 | 8/15/17 | WNV |
| Kings | KNGS3108 | 329 | Cx. tarsalis | Island | 47 | CO2 | 8/15/17 | WNV |
| Kings | KNGS4410 | 326 | Cx. pipiens | Lemoore | 12 | BGSENT | 8/15/17 | WNV |
| Kings | KNGS55014 | 333 | Cx. pipiens | Hanford | 14 | BGSENT | 8/16/17 | WNV |
| Kings | KNGS55022 | 330 | Cx. tarsalis | Hanford | 15 | BGSENT | 8/16/17 | SLEV |
| Kings | KNGS55022 | 331 | Cx. pipiens | Hanford | 36 | BGSENT | 8/16/17 | SLEV |
| Kings | KNGS55022 | 331 | Cx. pipiens | Hanford | 36 | BGSENT | 8/16/17 | WNV |
| Kings | KNGS5507 | 343 | Cx. pipiens | Hanford | 20 | BGSENT | 8/17/17 | WNV |
| Kings | KNGS5510 | 340 | Cx. pipiens | Hanford | 48 | BGSENT | 8/17/17 | WNV |
| Lake | LAKE1130 | 519 | Cx. tarsalis | Lower Lake | 50 | CO2 | 8/23/17 | WNV |
| Lake | LAKE302 | 467 | Cx. tarsalis | Clearlake Oaks | 50 | CO2 | 8/17/17 | WNV |
| Lake | LAKE305 | 499 | Cx. tarsalis | Middletown | 15 | CO2 | 8/23/17 | WNV |
| Los Angeles | ANTV2658 | 53 | Cx. quinquefasciatus | Lancaster | 19 | GRVD | 8/22/17 | WNV |
| Los Angeles | GRLA2007 | 5610 | Cx. quinquefasciatus | Toluca Lake | 28 | GRVD | 8/15/17 | WNV |
| Los Angeles | GRLA2017 | 5611 | Cx. quinquefasciatus | Toluca Lake | 48 | GRVD | 8/15/17 | WNV |
| Los Angeles | GRLA2029 | 5622 | Cx. quinquefasciatus | Canoga Park | 40 | GRVD | 8/16/17 | WNV |
| Los Angeles | GRLA2030 | 5623 | Cx. quinquefasciatus | West Hills | 45 | GRVD | 8/16/17 | WNV |
| Los Angeles | GRLA2065 | 673 | Cx. quinquefasciatus | Gardena | 50 | GRVD | 8/18/17 | WNV |
| Los Angeles | GRLA2081 | 660 | Cx. quinquefasciatus | Lynwood | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2093 | 662 | Cx. quinquefasciatus | South Gate | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2100 | 642 | Cx. quinquefasciatus | Norwalk | 25 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2101 | 634 | Cx. quinquefasciatus | Santa Fe Springs | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2133 | 668 | Cx. quinquefasciatus | Wilmington | 50 | GRVD | 8/18/17 | WNV |
| Los Angeles | GRLA2166 | 644 | Cx. quinquefasciatus | Montebello | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2268 | 641 | Cx. quinquefasciatus | Cerritos | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2270 | 664 | Cx. quinquefasciatus | Bellflower | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2278 | 652 | Cx. quinquefasciatus | Long Beach | 50 | GRVD | 8/16/17 | WNV |
| Los Angeles | GRLA2321 | 672 | Cx. quinquefasciatus | Carson | 26 | GRVD | 8/18/17 | WNV |
| Los Angeles | GRLA2346 | 645 | Cx. quinquefasciatus | Montebello | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2438 | 5626 | Cx. quinquefasciatus | Chatsworth | 25 | GRVD | 8/16/17 | WNV |
| Los Angeles | GRLA2450 | 5640 | Cx. quinquefasciatus | Glendale | 22 | GRVD | 8/18/17 | WNV |
| Los Angeles | GRLA2554 | 5620 | Cx. quinquefasciatus | Winnetka | 47 | GRVD | 8/16/17 | WNV |

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|-------------|----------|------|----------------------|------------------|----|------|---------|-----|
| Los Angeles | GRLA2592 | 5637 | Cx. quinquefasciatus | San Marino | 29 | GRVD | 8/18/17 | WNV |
| Los Angeles | GRLA2593 | 5636 | Cx. quinquefasciatus | San Marino | 17 | GRVD | 8/18/17 | WNV |
| Los Angeles | GRLA2604 | 5638 | Cx. quinquefasciatus | Los Angeles | 44 | GRVD | 8/18/17 | WNV |
| Los Angeles | GRLA2614 | 5628 | Cx. quinquefasciatus | Newhall | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2675 | 5632 | Cx. quinquefasciatus | Granada Hills | 17 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2724 | 5621 | Cx. quinquefasciatus | Winnetka | 50 | GRVD | 8/16/17 | WNV |
| Los Angeles | GRLA2889 | 650 | Cx. quinquefasciatus | Lakewood | 50 | GRVD | 8/16/17 | WNV |
| Los Angeles | GRLA2890 | 651 | Cx. quinquefasciatus | Lakewood | 50 | GRVD | 8/16/17 | WNV |
| Los Angeles | GRLA2952 | 635 | Cx. quinquefasciatus | South Whittier | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2953 | 637 | Cx. quinquefasciatus | Santa Fe Springs | 29 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2955 | 639 | Cx. quinquefasciatus | Cerritos | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA2957 | 647 | Cx. quinquefasciatus | Hawaiian Gardens | 50 | GRVD | 8/16/17 | WNV |
| Los Angeles | GRLA2962 | 5627 | Cx. quinquefasciatus | Chatsworth | 50 | GRVD | 8/16/17 | WNV |
| Los Angeles | GRLA2995 | 5619 | Cx. quinquefasciatus | Woodland Hills | 26 | GRVD | 8/16/17 | WNV |
| Los Angeles | GRLA3009 | 5629 | Cx. quinquefasciatus | Santa Clarita | 17 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA3028 | 5625 | Cx. quinquefasciatus | West Hills | 28 | GRVD | 8/16/17 | WNV |
| Los Angeles | GRLA3032 | 671 | Cx. quinquefasciatus | Carson | 50 | GRVD | 8/18/17 | WNV |
| Los Angeles | GRLA3038 | 5613 | Cx. quinquefasciatus | Valley Village | 45 | GRVD | 8/15/17 | WNV |
| Los Angeles | GRLA3039 | 5609 | Cx. quinquefasciatus | Los Angeles | 22 | GRVD | 8/15/17 | WNV |
| Los Angeles | GRLA3040 | 636 | Cx. quinquefasciatus | La Mirada | 12 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA3041 | 640 | Cx. quinquefasciatus | Artesia | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA3046 | 665 | Cx. quinquefasciatus | Bellflower | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA3047 | 666 | Cx. quinquefasciatus | Downey | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA3048 | 643 | Cx. quinquefasciatus | Pico Rivera | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA3049 | 653 | Cx. quinquefasciatus | Downey | 27 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA3054 | 654 | Cx. quinquefasciatus | Bell Gardens | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA3058 | 661 | Cx. quinquefasciatus | Lynwood | 50 | GRVD | 8/17/17 | WNV |
| Los Angeles | GRLA3066 | 5615 | Cx. quinquefasciatus | North Hollywood | 50 | GRVD | 8/15/17 | WNV |
| Los Angeles | GRLA3076 | 5616 | Cx. quinquefasciatus | Valley Glen | 50 | GRVD | 8/15/17 | WNV |
| Los Angeles | GRLA3079 | 5617 | Cx. quinquefasciatus | North Hollywood | 44 | GRVD | 8/15/17 | WNV |
| Los Angeles | GRLA3080 | 5614 | Cx. quinquefasciatus | North Hollywood | 50 | GRVD | 8/15/17 | WNV |
| Los Angeles | GRLA3086 | 5635 | Cx. quinquefasciatus | Highland Park | 50 | GRVD | 8/18/17 | WNV |
| Los Angeles | GRLA3102 | 5612 | Cx. quinquefasciatus | Studio City | 35 | GRVD | 8/15/17 | WNV |
| Los Angeles | LACW1047 | 299 | Cx. quinquefasciatus | Inglewood | 50 | CO2 | 8/17/17 | WNV |
| Los Angeles | LACW1047 | 300 | Cx. quinquefasciatus | Inglewood | 43 | CO2 | 8/17/17 | WNV |
| Los Angeles | LONG302 | 52 | Cx. quinquefasciatus | Long Beach | 50 | GRVD | 8/22/17 | WNV |
| Los Angeles | LONG302 | 53 | Cx. quinquefasciatus | Long Beach | 14 | GRVD | 8/22/17 | WNV |
| Los Angeles | SGVA30 | 2026 | Cx. quinquefasciatus | Arcadia | 11 | GRVD | 8/18/17 | WNV |
| Los Angeles | SGVA564 | 2009 | Cx. quinquefasciatus | Monterey Park | 7 | GRVD | 8/17/17 | WNV |
| Los Angeles | SGVA653 | 2022 | Cx. quinquefasciatus | Duarte | 23 | GRVD | 8/16/17 | WNV |
| Los Angeles | SGVA653 | 2023 | Cx. tarsalis | Duarte | 17 | GRVD | 8/16/17 | WNV |
| Los Angeles | SGVA653 | 2025 | Cx. tarsalis | Duarte | 3 | GRVD | 8/16/17 | WNV |
| Los Angeles | SGVA887 | 2013 | Cx. quinquefasciatus | Alhambra | 4 | GRVD | 8/17/17 | WNV |
| Madera | MADR1109 | 238 | Cx. tarsalis | Madera | 50 | CO2 | 8/15/17 | WNV |
| Madera | MADR1117 | 248 | Cx. tarsalis | Firebaugh | 50 | CO2 | 8/15/17 | WNV |
| Madera | MADR12 | 243 | Cx. quinquefasciatus | Madera | 50 | CO2 | 8/16/17 | WNV |
| Madera | MADR178 | 262 | Cx. quinquefasciatus | Madera | 50 | CO2 | 8/18/17 | WNV |
| Madera | MADR178 | 263 | Cx. quinquefasciatus | Madera | 50 | CO2 | 8/18/17 | WNV |
| Madera | MADR204 | 244 | Cx. tarsalis | Madera | 40 | CO2 | 8/16/17 | WNV |
| Madera | MADR208 | 239 | Cx. quinquefasciatus | Madera | 40 | CO2 | 8/16/17 | WNV |
| Madera | MADR265 | 259 | Cx. quinquefasciatus | Madera | 50 | CO2 | 8/18/17 | WNV |
| Madera | MADR299 | 257 | Cx. quinquefasciatus | Chowchilla | 50 | CO2 | 8/17/17 | WNV |
| Madera | MADR300 | 251 | Cx. quinquefasciatus | Chowchilla | 50 | CO2 | 8/17/17 | WNV |
| Merced | MERC102 | 254 | Cx. tarsalis | Merced | 30 | CO2 | 8/23/17 | WNV |

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| Merced | MERC1101 | 286 | Cx. tarsalis | Livingston | 50 | CO2 | 8/24/17 | WNV |
| Merced | MERC1104 | 280 | Cx. pipiens | Delhi | 50 | CO2 | 8/24/17 | WNV |
| Merced | MERC1222 | 256 | Cx. tarsalis | Merced | 42 | CO2 | 8/23/17 | WNV |
| Merced | MERC201714 | 266 | Cx. tarsalis | Winton | 21 | CO2 | 8/23/17 | WNV |
| Merced | MERC201714 | 267 | Cx. pipiens | Winton | 33 | CO2 | 8/23/17 | WNV |
| Merced | MERC408 | 249 | Cx. tarsalis | Gustine | 24 | CO2 | 8/22/17 | WNV |
| Merced | MERC612 | 278 | Cx. tarsalis | Delhi | 28 | CO2 | 8/24/17 | WNV |
| Orange | ORCO1005 | 3395 | Cx. quinquefasciatus | Buena Park | 21 | GRVD | 8/16/17 | WNV |
| Orange | ORCO1011 | 3393 | Cx. quinquefasciatus | La Habra | 13 | GRVD | 8/16/17 | WNV |
| Orange | ORCO1011 | 3394 | Cx. quinquefasciatus | La Habra | 45 | GRVD | 8/16/17 | WNV |
| Orange | ORCO1011 | 3434 | Cx. quinquefasciatus | La Habra | 5 | GRVD | 8/17/17 | WNV |
| Orange | ORCO1011 | 3435 | Cx. quinquefasciatus | La Habra | 20 | GRVD | 8/17/17 | WNV |
| Orange | ORCO1011 | 3436 | Cx. quinquefasciatus | La Habra | 35 | GRVD | 8/17/17 | WNV |
| Orange | ORCO1011 | 3438 | Cx. quinquefasciatus | La Habra | 24 | GRVD | 8/17/17 | WNV |
| Orange | ORCO1011 | 3439 | Cx. quinquefasciatus | La Habra | 25 | GRVD | 8/17/17 | WNV |
| Orange | ORCO1011 | 3440 | Cx. quinquefasciatus | La Habra | 27 | GRVD | 8/17/17 | WNV |
| Orange | ORCO1011 | 3441 | Cx. quinquefasciatus | La Habra | 8 | GRVD | 8/17/17 | WNV |
| Orange | ORCO1011 | 3443 | Cx. quinquefasciatus | La Habra | 48 | GRVD | 8/17/17 | WNV |
| Orange | ORCO1011 | 3444 | Cx. quinquefasciatus | La Habra | 13 | GRVD | 8/17/17 | WNV |
| Orange | ORCO1011 | 3449 | Cx. quinquefasciatus | La Habra | 41 | GRVD | 8/17/17 | WNV |
| Orange | ORCO1036 | 3412 | Cx. quinquefasciatus | Buena Park | 26 | GRVD | 8/17/17 | WNV |
| Orange | ORCO170 | 3411 | Cx. quinquefasciatus | Anaheim | 28 | GRVD | 8/17/17 | WNV |
| Orange | ORCO198 | 3399 | Cx. quinquefasciatus | La Habra | 50 | GRVD | 8/17/17 | WNV |
| Orange | ORCO215 | 3380 | Cx. quinquefasciatus | La Habra | 39 | CO2 | 8/16/17 | WNV |
| Orange | ORCO218 | 3355 | Cx. quinquefasciatus | Anaheim | 44 | GRVD | 8/16/17 | WNV |
| Orange | ORCO227 | 3384 | Cx. quinquefasciatus | Brea | 41 | GRVD | 8/16/17 | WNV |
| Orange | ORCO34 | 3397 | Cx. quinquefasciatus | Brea | 49 | GRVD | 8/17/17 | WNV |
| Orange | ORCO41 | 3396 | Cx. quinquefasciatus | Anaheim | 29 | GRVD | 8/17/17 | WNV |
| Orange | ORCO50 | 3408 | Cx. quinquefasciatus | Buena Park | 28 | GRVD | 8/17/17 | WNV |
| Placer | PLCR1114 | 1515 | Cx. tarsalis | Lincoln | 50 | CO2 | 8/22/17 | WNV |
| Placer | PLCR1114 | 1518 | Cx. tarsalis | Lincoln | 50 | CO2 | 8/22/17 | WNV |
| Placer | PLCR30 | 1447 | Cx. pipiens | Lincoln | 50 | OTHER | 8/22/17 | WNV |
| Placer | PLCR30 | 1449 | Cx. pipiens | Lincoln | 50 | OTHER | 8/22/17 | WNV |
| Riverside | COAV123 | 3315 | Cx. tarsalis | Mecca | 24 | CO2 | 8/22/17 | WNV |
| Riverside | COAV45 | 3320 | Cx. tarsalis | Mecca | 50 | CO2 | 8/22/17 | WNV |
| Riverside | COAV45 | 3321 | Cx. tarsalis | Mecca | 50 | CO2 | 8/22/17 | WNV |
| Riverside | COAV45 | 3322 | Cx. tarsalis | Mecca | 50 | CO2 | 8/22/17 | WNV |
| Riverside | COAV48 | 3313 | Cx. tarsalis | Mecca | 21 | CO2 | 8/22/17 | WNV |
| Riverside | COAV611 | 3325 | Cx. tarsalis | Mecca | 50 | CO2 | 8/22/17 | WNV |
| Riverside | NWST122 | 249 | Cx. quinquefasciatus | Corona | 50 | CO2 | 8/22/17 | WNV |
| Riverside | NWST133 | 234 | Cx. quinquefasciatus | Riverside | 33 | CO2 | 8/16/17 | WNV |
| Riverside | NWST140 | 230 | Cx. quinquefasciatus | Riverside | 21 | CO2 | 8/16/17 | WNV |
| Riverside | NWST151 | 239 | Cx. quinquefasciatus | Lake Elsinore | 50 | GRVD | 8/17/17 | WNV |
| Riverside | NWST151 | 240 | Cx. quinquefasciatus | Lake Elsinore | 38 | CO2 | 8/17/17 | WNV |
| Riverside | NWST43 | 229 | Cx. tarsalis | Corona | 24 | CO2 | 8/16/17 | WNV |
| Riverside | NWST58 | 231 | Cx. tarsalis | Riverside | 40 | CO2 | 8/16/17 | WNV |
| Riverside | NWST6876 | 226 | Cx. quinquefasciatus | Corona | 15 | CO2 | 8/16/17 | WNV |
| Riverside | NWST79 | 236 | Cx. quinquefasciatus | Corona | 25 | GRVD | 8/17/17 | WNV |
| Sacramento | SAYO213009 | 4943 | Cx. pipiens | Sacramento | 27 | GRVD | 8/22/17 | WNV |
| Sacramento | SAYO223006 | 4804 | Cx. tarsalis | South Watt Avenue | 15 | CO2 | 8/22/17 | WNV |
| Sacramento | SAYO223012 | 4887 | Cx. pipiens | Sacramento | 13 | GRVD | 8/22/17 | WNV |
| Sacramento | SAYO232012 | 4860 | Cx. pipiens | Elk Grove | 6 | GRVD | 8/22/17 | WNV |
| Sacramento | SAYO233001 | 4814 | Cx. pipiens | Elk Grove | 6 | CO2 | 8/22/17 | WNV |
| Sacramento | SAYO233015 | 4808 | Cx. pipiens | Sacramento | 50 | GRVD | 8/22/17 | WNV |

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| Sacramento | SAYO233015 | 4809 | Cx. pipiens | Sacramento | 50 | GRVD | 8/22/17 | WNV |
| Sacramento | SAYO233015 | 4810 | Cx. pipiens | Sacramento | 7 | GRVD | 8/22/17 | WNV |
| Sacramento | SAYO243017 | 4818 | Cx. tarsalis | Elk Grove | 11 | CO2 | 8/22/17 | WNV |
| Sacramento | SAYO243032 | 4822 | Cx. tarsalis | Elk Grove | 50 | CO2 | 8/22/17 | WNV |
| Sacramento | SAYO243032 | 4826 | Cx. pipiens | Elk Grove | 50 | CO2 | 8/22/17 | WNV |
| Sacramento | SAYO243034 | 4837 | Cx. tarsalis | Elk Grove | 50 | CO2 | 8/22/17 | WNV |
| San Bernardino | WVAL2011 | 1834 | Cx. quinquefasciatus | Chino | 16 | CO2 | 8/23/17 | WNV |
| San Bernardino | WVAL3273 | 1836 | Cx. quinquefasciatus | Chino Hills | 17 | BGSENT | 8/23/17 | WNV |
| San Bernardino | WVAL5004 | 1815 | Cx. quinquefasciatus | Rancho Cucamonga | 20 | GRVD | 8/23/17 | WNV |
| San Bernardino | WVAL5008 | 1823 | Cx. quinquefasciatus | Rancho Cucamonga | 5 | CO2 | 8/23/17 | WNV |
| San Bernardino | WVAL9001 | 1817 | Cx. quinquefasciatus | Upland | 5 | GRVD | 8/23/17 | WNV |
| San Bernardino | WVAL9003 | 1820 | Cx. quinquefasciatus | Upland | 26 | GRVD | 8/23/17 | WNV |
| San Joaquin | SJCM8070 | 2211 | Cx. pipiens | Galt | 18 | CO2 | 8/23/17 | WNV |
| San Joaquin | SJCM8094 | 2175 | Cx. tarsalis | Manteca | 21 | CO2 | 8/21/17 | WNV |
| San Joaquin | SJCM8111 | 2160 | Cx. pipiens | Stockton | 15 | CO2 | 8/21/17 | WNV |
| San Joaquin | SJCM8161 | 2179 | Cx. pipiens | Ripon | 44 | CO2 | 8/21/17 | WNV |
| San Joaquin | SJCM8199 | 2162 | Cx. pipiens | Manteca | 43 | CO2 | 8/21/17 | WNV |
| San Joaquin | SJCM8205 | 2215 | Cx. pipiens | Farmington | 13 | CO2 | 8/23/17 | WNV |
| San Joaquin | SJCM8222 | 2153 | Cx. tarsalis | Stockton | 50 | CO2 | 8/21/17 | WNV |
| Solano | SOLA120 | 115 | Cx. tarsalis | Vacaville | 24 | CO2 | 8/17/17 | WNV |
| Stanislaus | TRLK1107 | 817 | Cx. pipiens | Denair | 42 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1203 | 827 | Cx. pipiens | Hughson | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1209 | 832 | Cx. pipiens | Ceres | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1209 | 833 | Cx. pipiens | Ceres | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1209 | 834 | Cx. tarsalis | Ceres | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1301 | 807 | Cx. pipiens | Denair | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1301 | 811 | Cx. pipiens | Denair | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1301 | 812 | Cx. pipiens | Denair | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1301 | 814 | Cx. tarsalis | Denair | 49 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1308 | 791 | Cx. pipiens | Turlock | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1308 | 792 | Cx. pipiens | Turlock | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1308 | 793 | Cx. tarsalis | Turlock | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1309 | 828 | Cx. pipiens | Hughson | 24 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1612 | 781 | Cx. pipiens | Turlock | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK1612 | 782 | Cx. pipiens | Turlock | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK421 | 816 | Cx. pipiens | Hughson | 38 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK516 | 820 | Cx. pipiens | Denair | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK516 | 822 | Cx. tarsalis | Denair | 47 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK526 | 794 | Cx. pipiens | Denair | 50 | CO2 | 8/22/17 | WNV |
| Stanislaus | TRLK613 | 823 | Cx. pipiens | Hickman | 50 | CO2 | 8/22/17 | WNV |
| Tulare | DLNO96 | 206 | Cx. quinquefasciatus | Earlimart | 27 | CO2 | 8/17/17 | WNV |
| Tulare | DLTA6407 | 2356 | Cx. quinquefasciatus | Dinuba | 30 | GRVD | 8/22/17 | WNV |
| Tulare | DLTA6408 | 2353 | Cx. quinquefasciatus | Dinuba | 16 | GRVD | 8/18/17 | WNV |
| Tulare | DLTA6416 | 2349 | Cx. quinquefasciatus | Dinuba | 18 | GRVD | 8/18/17 | WNV |
| Tulare | DLTA6416 | 2379 | Cx. quinquefasciatus | Dinuba | 22 | GRVD | 8/22/17 | WNV |
| Tulare | DLTA6417 | 2351 | Cx. quinquefasciatus | Dinuba | 18 | GRVD | 8/18/17 | WNV |
| Tulare | DLTA6417 | 2382 | Cx. quinquefasciatus | Dinuba | 14 | GRVD | 8/22/17 | WNV |
| Tulare | DLTA7625 | 2368 | Cx. quinquefasciatus | Woodlake | 25 | GRVD | 8/22/17 | WNV |
| Tulare | DLTA8419 | 2352 | Cx. quinquefasciatus | Goshen | 14 | GRVD | 8/18/17 | WNV |
| Tulare | DLTA8422 | 2348 | Cx. quinquefasciatus | Goshen | 13 | GRVD | 8/18/17 | WNV |
| Tulare | DLTA8520 | 2362 | Cx. quinquefasciatus | Visalia | 24 | GRVD | 8/22/17 | WNV |
| Tulare | DLTA8536 | 2363 | Cx. quinquefasciatus | Farmersville | 40 | GRVD | 8/22/17 | WNV |
| Tulare | DLTA9403 | 2332 | Cx. quinquefasciatus | Visalia | 15 | GRVD | 8/18/17 | WNV |
| Tulare | DLTA9505 | 2331 | Cx. quinquefasciatus | Visalia | 29 | GRVD | 8/18/17 | WNV |

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| Tulare | DLTA9609 | 2359 | Cx. quinquefasciatus | Exeter | 50 | GRVD | 8/22/17 | WNV |
| Tulare | DLTA9610 | 2342 | Cx. quinquefasciatus | Exeter | 50 | GRVD | 8/18/17 | WNV |
| Yolo | SAYO135006 | 4928 | Cx. tarsalis | Woodland | 50 | CO2 | 8/22/17 | WNV |
| Yolo | SAYO136010 | 4915 | Cx. tarsalis | Woodland | 50 | CO2 | 8/22/17 | WNV |
| Yolo | SAYO136010 | 4916 | Cx. tarsalis | Woodland | 50 | CO2 | 8/22/17 | WNV |
| Yolo | SAYO136010 | 4917 | Cx. tarsalis | Woodland | 50 | CO2 | 8/22/17 | WNV |
| Yolo | SAYO145013 | 4893 | Cx. tarsalis | Davis | 50 | CO2 | 8/22/17 | WNV |
| Yolo | SAYO145013 | 4896 | Cx. tarsalis | Davis | 27 | CO2 | 8/22/17 | WNV |
| Yolo | SAYO145016 | 4890 | Cx. tarsalis | Davis | 50 | CO2 | 8/22/17 | WNV |
| Yuba | SUYA40 | 383 | Cx. tarsalis | Marysville | 50 | CO2 | 8/16/17 | WNV |
| Yuba | SUYA40 | 395 | Cx. tarsalis | Marysville | 50 | CO2 | 8/22/17 | WNV |

Sentinel Chickens

| County | Site Code | City | Date Bled | Virus | Band 01 | Band 02 | Band 03 | Band 04 | Band 05 |
|----------------|------------|-----------------|-----------|-------|---------|---------|---------|---------|---------|
| Los Angeles | ANTV2667 | Palmdale | 8/16/2017 | WNV | 1046 | | | | |
| Los Angeles | ANTV7263 | Lancaster | 8/16/2017 | WNV | 1069 | 1071 | 1072 | 1073 | |
| Los Angeles | GRLA2056 | Long Beach | 8/15/2017 | WNV | 4701 | 4704 | | | |
| Los Angeles | GRLA2223 | Rowland Heights | 8/15/2017 | WNV | 4725 | 4727 | | | |
| Los Angeles | GRLA2371 | South El Monte | 8/15/2017 | WNV | 4731 | 4735 | 4739 | | |
| Los Angeles | GRLA2465 | Los Feliz | 8/14/2017 | WNV | 4743 | 4745 | 4746 | 4747 | 4750 |
| Los Angeles | GRLA2651 | Encino | 8/14/2017 | WNV | 4764 | 4768 | 4769 | 4770 | |
| Los Angeles | LACW1013 | Malibu | 8/16/2017 | WNV | 2593 | 2595 | | | |
| Merced | MERC0001 | Merced | 8/11/2017 | WNV | 1849 | | | | |
| Sacramento | SAYO261013 | Isleton | 8/16/2017 | WNV | 1342 | 1345 | | | |
| San Bernardino | SANB0000 | San Bernardino | 8/16/2017 | WNV | 2703 | 2704 | 2706 | 2708 | |
| San Bernardino | SANB0003 | Colton | 8/17/2017 | WNV | 2723 | | | | |
| San Bernardino | SANB0006 | Yucaipa | 8/15/2017 | WNV | 2753 | | | | |
| San Bernardino | SANB0011 | Rialto | 8/16/2017 | SLEV | 2734 | 2738 | | | |
| San Bernardino | SANB0011 | Rialto | 8/16/2017 | WNV | 2737 | | | | |
| San Bernardino | SANB0029 | San Bernardino | 8/15/2017 | WNV | 2713 | 2714 | 2715 | 2716 | |
| Sutter | SUYA0014 | Sutter | 8/10/2017 | WNV | 1743 | | | | |

Test Protocols

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 or confirmation.

Dead Birds

Oral swab samples from corvids are collected onto RNA preservation cards and tested by the UC Davis Arbovirus Research and Training laboratory (DART) for West Nile virus by the singleplex qRT-PCR Taqman assay and confirmed with a second primer set. Some local agencies test birds using the RAMP© test or conduct RT-PCR on tissue samples.

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Sentinel Chickens:

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

Mosquito Pools:

Mosquito pools submitted to DART are tested for West Nile, western equine encephalomyelitis, and St. Louis encephalitis viral RNA using a multiplex qRT-PCR. Invasive *Aedes* mosquitoes (*Ae. aegypti* and *Ae. albopictus*) are also tested for chikungunya, dengue, and Zika viral RNA by a separate qRT-PCR.

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 Tina Feiszli by phone (510) 412-6253 or email: tina.feiszli@cdph.ca.gov.