Week 39 Friday, October 1, 2004

## **Weekly Summary**

A tribute to William C. (Bill) Reeves: 1916-2004

By Bruce Eldridge, U. C. Davis

When Bill Reeves died on September 19, 2004 the world lost probably the finest medical entomologist this country has produced. His original discoveries involving the ecology of viruses transmitted to humans and other vertebrate animals by mosquitoes form much of the foundation of the modern approach to the prevention and control of the diseases caused by these viruses. His death was a particularly hard blow to those of us involved in surveillance activities in California for arboviruses because Bill, more than any other person, was responsible for the inception, development, and implementation of the comprehensive surveillance system in place today. It is indeed fortunate that this system was established and well-tested long before the current outbreak of West Nile virus diseases in California. It had grown out of research conducted by Bill and his colleagues on the transmission of western equine in the western USA beginning in the late 1930s. One of Bill's favorite photographs was him bleeding a sentinel chicken in the 1940's as an example of his idea to detect mosquito-borne encephalitis before the onset of horse and human cases. After the widespread epidemic of WEE and SLE in the central valley of California in 1952, the current surveillance system was put in place as a joint venture of local mosquito control districts, the California Department of Health Services, and the University of California. Over the years the testing procedures used were periodically upgraded based on research conducted under Bill's direction.

Bill was actively involved in the control and prevention of arbovirus diseases in California right to the end of his life. Of course, all of us will miss keenly Bill's scientific contributions and advice. But we will also miss his positive and helpful attitude, his support of younger scientists, and his ever present sense of humor. Rest well, Bill, and thanks for a job well done.

#### **California Weekly Summary Comments:**

### **Humans:**

This week, California reported 42 new humans infected with West Nile virus (WNV). As of October 1, 2004, a total of **654** WNV infections have been reported from the following local health jurisdictions: San Bernardino (187), Los Angeles (263), Riverside (96), Orange (42), Kern (26), Fresno (11), Imperial (1), Lassen (1), Glenn (1), Ventura (2), Butte (5), Lassen (1), Merced (1), San Diego (1), San Joaquin (1), Santa Clara (1)San Luis Obispo (1), Shasta (3), Tehama (8), Tulare (1) and Yolo (1) counties. Sixty-nine of the 643 WNV infections were initially detected in asymptomatic individuals through screening done at blood banks – nine of these individuals later became symptomatic. Of the 594 WNV cases with symptoms, 221 are classified as West Nile fever cases, 191 are classified as West Nile neuroinvasive disease, and 182 are of unknown status. The median age for all cases where data was available is 52 years (range: 2-91 years). Median age for West Nile fever cases is 48 years (range 7-89 years). Median age for West Nile neuroinvasive disease cases = 58 years (range: 4-91 years). Sixty-two per cent (367/594) of the cases are male. There have been 18 fatalities to date in California in San Bernardino (5), Los Angeles (9), Riverside (2) Orange (1) and Tehama (1) counties. The median age of the 17 fatalities is 74 years (range: 57-91 years).

## Equine:

The California Department of Food & Agriculture confirmed 33 WNV equine cases from Inyo (2), Kern (1), Los Angeles (1), Mendocino (2), Placer (4), Riverside (4), Sacramento (7), San Bernardino (1), San Joaquin (2), Shasta (2), Stanislaus (2), Sutter (1), Tehama (1), and Tulare (3) counties. Currently, the YTD total stands at 419 positive cases. A total of 177 horses have died or euthanatized from the WNV infection.

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#### Dead Birds:

The hotline received 2,464 reported dead birds last week (YTD = 85,189). The UC Davis Center for Vectorborne Diseases (CVEC) reported 98 out of 142 dead birds submitted last week have tested positive for WNV by RT-PCR: American crows (18), American kestrels (2), American robins (2), an Anna's hummingbird (1), a barn owl (1), common ravens (2), a dark-eyed junco (1), a greater white-fronted goose (1), a lesser goldfinch (1), a mourning dove (1), a northern waterthrush (1), red-tailed hawks (4), a spotted towhee (1), Steller's jays (7), a western bluebird (1), western scrub-jays (30), a western tanager (1), a white-tailed kite (1), and yellow-billed magpies (22). The greater white-fronted goose and northern waterthrush were the first of their species to test positive for WNV this year. The YTD total stands at 2,567 positive bird carcasses.

The positive birds were collected within the 28 counties of Amador (1), Fresno (3), Kern (4), Kings (1), Lake (3), Lassen (1), Los Angeles (5), Mendocino (1), Merced (3), Monterey (3), Nevada (1), Placer (9), Sacramento (24), San Francisco (1), San Joaquin (2), San Luis Obispo (1), Santa Clara (1), Santa Cruz (3), Shasta (1), Siskiyou (2), Solano (3), Sonoma (2), Stanislaus (9), Sutter (2), Tulare (5), Ventura (2), Yolo (4), and Yuba (1).

A cumulative total of 140 dead birds were tested from 33 of the 56 WNV positive counties. Thus 70.0% (98/140) of the birds tested from these counties were WNV positive. No birds were tested this week that came from the two remaining negative counties in California: Del Norte and San Benito.

#### News Flash:

CVEC reported Wednesday that 183 of 234 dead birds have tested positive for WNV. The positive birds were collected within the 44 counties of Alameda (2), Amador (3), Butte (1), Contra Costa (1), El Dorado (1), Fresno (11), Humboldt (4), Inyo (3), Kern (12), Kings (2), Lake (5), Lassen (1), Los Angeles (9), Madera (1), Marin (1), Mariposa (1), Mendocino (3), Merced (3), Mono (2), Nevada (5), Orange (5), Placer (6), Riverside (1), Sacramento (19), San Benito (3), San Bernardino (1), San Diego (6), San Francisco (1), San Joaquin (13), San Luis Obispo (2), San Mateo (1), Santa Clara (4), Santa Cruz (2), Shasta (1), Siskiyou (4), Solano (3), Sonoma (8), Stanislaus (9), Sutter (3), Trinity (2), Tulare (7), Ventura (3), Yolo (7), and Yuba (1). This represents the first indication of WNV activity in San Benito County.

#### **Mosquito Pools:**

CVEC reported 65 positive pools from Fresno (3), Los Angeles (25), Kern (18), Merced (1), Orange (8), Riverside (1), San Bernardino (6), and Sacramento (3) counties. This is the first detection of positive mosquito activity in Merced County. To date, 19 CA counties have reported positive mosquito activities. WNV has been isolated from nine mosquito species: *Culex tarsalis, Cx. erythrothorax, Cx. quinquefasciatus, Cx. stigmatosoma, Cx. thriambus, Cx. pipiens, Anopheles hermsi*, and *Ochlerotatus squamiger* and *Oc. melanimon*. The YTD total stands at 1036 positive pools.

### **Chickens:**

Fifty-nine WNV chicken seroconversions were detected in 16 flocks from Kern (10), Los Angeles (25), Riverside (13), Tehama (3) and Tulare (8) counties. This was the first seroconversion from Tulare County. Of the 59 seroconversions, 18 came from 9 new flocks in Kern (3), Los Angeles (11), Riverside (3), and Tulare (1) counties. Currently, 16 counties: Butte, Glenn, Imperial, Kern, Los Angeles, Orange, Placer, Riverside, San Bernardino, San Joaquin, Shasta, Sutter, Tehama, Tulare, Ventura, and Yolo have positive WNV seroconversions. The current YTD total stands at 546 WNV seroconversions.

\*\*Note: Bulletins 26 and 28 will go out on the Monday following their normal date.

#### **Website Information:**

For updated information on WNV, please visit the California WNV website, <a href="www.westnile.ca.gov">www.westnile.ca.gov</a>; the CDC website, <a href="www.westnilemaps.usgs.gov">www.westnilemaps.usgs.gov</a>. Please go to the Vector website at <a href="http://vector.ucdavis.edu/arbo.html">http://vector.ucdavis.edu/arbo.html</a> for flock location and more information on WNV and other vector-borne diseases.

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# **Humans and Equines**

## **TESTING SUMMARIES**

|                    |      | Number | WNV P    | ositive | WEE P    | ositive | SLE P    | ositive | Other P  | ositive |
|--------------------|------|--------|----------|---------|----------|---------|----------|---------|----------|---------|
|                    |      | Tested | Imported | Local   | Imported | Local   | Imported | Local   | Imported | Local   |
| Individuals Tested | Week | 50     | 0        | 42      | 0        | 0       | 0        | 0       | 0        | 0       |
|                    | YTD  | 1392   | 0        | 654     | 0        | 0       | 0        | 0       | 0        | 0       |
| Suspect Equine     | Week | n/a    | 0        | 33      | 0        | 0       | 0        | 0       | 0        | 0       |
| Cases              | YTD  | 874    | 0        | 419     | 0        | 0       | 0        | 0       | 0        | 0       |

## **Dead Birds**

|      | Number<br>Tested | WNV<br>Positive |
|------|------------------|-----------------|
| Week | 142              | 98              |
| YTD  | 4,243            | 2,567           |

## Sentinel Chickens and

| Mosquito Pools |      | Number<br>Tested | WNV<br>Positive | WEE<br>Positive | SLE<br>Positive | Other<br>Positive |
|----------------|------|------------------|-----------------|-----------------|-----------------|-------------------|
|                | Week | 879*             | 59              | 0               | 0               | 0                 |
| Chicken sera   | YTD  | 25,149           | 546             | 0               | 0               | 0                 |
|                | Week | 517              | 65              | 0               | 0               | 0                 |
| Mosquito pools | YTD  | 11,307           | 1036            | 0               | 0               | 0                 |

<sup>\*</sup>This total has been adjusted to include local agency submission

## **Human Positives Reported:**

## **POSITIVES**

| WNV Unknown Probable Unknown Butte Local WNV Unknown Probable Unknown Riverside Local WNV 9/14/04 Probable Unknown Butte Local WNV 9/14/04 Probable Unknown Experiment Comments of the West Nile Neuroinvasive Disease Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Neuroinvasive Disease Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV WNV 9/03/04 Probable West Nile Fever Disease West Disease  | Virus | Date of Onset  | Status   | Diagnosis                       | County         | Imported/Local | From |
|--|-------|----------------|----------|---------------------------------|----------------|----------------|------|
| WNV Unknown Probable Unknown Fresno Local WNV Unknown Probable Unknown Fresno Local WNV Unknown Probable Unknown Riverside Local WNV 9/14/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV 9/19/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV 9/03/04 Probable West Nile Fever Orange Local WNV 9/03/04 Probable West Nile Fever Orange Local WNV 9/03/04 Probable West Nile Fever Los Angeles Local WNV 9/11/04 Probable West Nile Fever Kerm Local WNV 8/29/04 Probable West Nile Neuroinvasive Disease Kerm Local WNV 9/11/04 Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Work Probable West Nile Neuroinvasive Disease Local WNV Unknown Probable Unknown Los Angeles Local WNV Work Applicable Probable West Nile Neuroinvasive Disease Local WNV Not Applicable Probable West Nile Neuroinvasive Disease Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probab | WNV   | Unknown        | Probable | West Nile Fever                 | Glenn          | Local          |      |
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| WNV 9/07/04 Probable West Nile Fever Orange Local WNV 9/03/04 Probable West Nile Neuroinvasive Disease WNV 9/03/04 Probable West Nile Neuroinvasive Disease WNV 8/29/04 Probable West Nile Neuroinvasive Disease WNV 9/11/04 Probable West Nile Neuroinvasive Disease WNV 9/11/04 Probable West Nile Neuroinvasive Disease WNV Unknown Probable West Nile Neuroinvasive Disease WNV 6/27/04 Probable West Nile Neuroinvasive Disease WNV Unknown Probable West Nile Neuroinvasive Disease WNV Unknown Probable West Nile Neuroinvasive Disease WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Neuroinvasive Disease WNV Unknown Probable West Nile Fever Los Angeles Local WNV 9/13/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV 9/22/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank | WNV   | 9/03/04        | Probable | West Nile Fever                 | Los Angeles    | Local          |      |
| WNV Unknown Probable West Nile Neuroinvasive Disease Orange Local WNV Unknown Probable West Nile Fever Ventura Local WNV 8/29/04 Probable West Nile Fever Kern Local WNV 9/11/04 Probable West Nile Fever Kern Local WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Kern Local WNV Unknown Probable Unknown Los Angeles Local WNV 9/13/04 Probable West Nile Fever Los Angeles Local WNV 9/13/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Dorange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Dorange | WNV   | Unknown        | Probable | Unknown                         | Orange         | Local          |      |
| WNV Unknown Probable West Nile Fever Kern Local WNV 9/11/04 Probable West Nile Fever Kern Local WNV Unknown Probable West Nile Neuroinvasive Disease Kern Local WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV 9/13/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV 9/22/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV 100 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Corange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Dorange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local             | WNV   | 9/07/04        | Probable | West Nile Fever                 | Orange         | Local          |      |
| WNV 8/29/04 Probable West Nile Neuroinvasive Disease Kern Local WNV 9/11/04 Probable West Nile Fever Kern Local WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Kern Local WNV Unknown Probable Unknown Los Angeles Local WNV 9/13/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV Unknown Probable West Nile Fever Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Corange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange L |       | 9/03/04        | Probable | West Nile Neuroinvasive Disease | Orange         | Local          |      |
| WNV 9/11/04 Probable West Nile Fever Kern Local WNV Unknown Probable West Nile Neuroinvasive Disease NNV Unknown Probable West Nile Neuroinvasive Disease NNV Unknown Probable West Nile Neuroinvasive Disease NNV Unknown Probable West Nile Fever San Bernardino Local NNV Unknown Probable Unknown Tehama Local NNV Unknown Probable Unknown Tehama Local NNV Unknown Probable Unknown Riverside Local NNV Unknown Probable Unknown Riverside Local NNV Unknown Probable Unknown Kern Local NNV Unknown Probable Unknown Kern Local NNV Unknown Probable Unknown Los Angeles Local NNV Unknown Probable West Nile Fever Los Angeles Local NNV 9/13/04 Probable West Nile Neuroinvasive Disease NNV 9/22/04 Probable West Nile Fever Los Angeles Local NNV 9/22/04 Probable West Nile Fever Los Angeles Local NNV 9/22/04 Probable Unknown Los Angeles Local NNV Unknown Probable Unknown Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local NNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local NNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local         |       |                |          |                                 |                |                |      |
| WNV Unknown Probable West Nile Neuroinvasive Disease San Bernardino Local WNV 6/27/04 Probable West Nile Neuroinvasive Disease San Bernardino Local WNV Unknown Probable West Nile Fever San Bernardino Local WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Kern Local WNV Unknown Probable Unknown Kern Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV 9/13/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV 9/22/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable Unknown Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Corange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Corange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Lo |       |                |          |                                 | Kern           | Local          |      |
| WNV  |       | 9/11/04        | Probable | West Nile Fever                 |                | Local          |      |
| WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Kern Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Los Angeles Local WNV 9/13/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic Blood Bank Orange Local  |       |                | Probable |                                 |                |                |      |
| WNV Unknown Probable Unknown Tehama Local WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Kern Local WNV Unknown Probable Unknown Kern Local WNV Unknown Probable Unknown Los Angeles Local WNV 9/13/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic Blood Bank Corange Local WNV Not Applicable Probable Asymptomatic Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic Blood Bank Orange Local  |       |                |          |                                 |                |                |      |
| WNV Unknown Probable Unknown Riverside Local WNV Unknown Probable Unknown Kern Local WNV Unknown Probable Unknown Kern Local WNV Unknown Probable Unknown Los Angeles Local WNV 9/13/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV Unknown Probable West Nile Fever Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Corange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  |       | Unknown        |          | West Nile Fever                 | San Bernardino |                |      |
| WNV Unknown Probable Unknown Kern Local WNV Unknown Probable Unknown Kern Local WNV Unknown Probable Unknown Los Angeles Local WNV 9/13/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Cos Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Cos Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local   |       |                |          |                                 |                |                |      |
| WNV Unknown Probable Unknown Los Angeles Local WNV 9/13/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Corange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  |       |                |          |                                 |                |                |      |
| WNV Unknown Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV 9/22/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV 19/22/04 Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Corange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank San Joaquin Local   |       |                |          |                                 |                |                |      |
| WNV 9/13/04 Probable West Nile Fever Los Angeles Local WNV 9/22/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV Unknown Probable West Nile Fever Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  |       |                |          |                                 |                |                |      |
| WNV 9/22/04 Probable West Nile Neuroinvasive Disease Los Angeles Local WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  |       |                |          |                                 |                |                |      |
| WNV 9/22/04 Probable West Nile Fever Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  |       |                |          |                                 |                |                |      |
| WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable Unknown Los Angeles Local WNV Unknown Probable West Nile Fever Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Corange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank San Joaquin Local  |       |                |          |                                 |                |                |      |
| WNV Unknown Probable Unknown Brobable Unknown Unknown Probable West Nile Fever Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local   |       |                |          |                                 |                |                |      |
| WNV Unknown Probable West Nile Fever Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local   |       |                |          |                                 |                |                |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank San Joaquin Local  |       |                |          |                                 |                |                |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  | WNV   | Unknown        | Probable | West Nile Fever                 | Orange         | Local          |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local   | WNV   | Not Applicable | Probable | Asymptomatic - Blood Bank       | Los Angeles    | Local          |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Corange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  | WNV   | Not Applicable | Probable | Asymptomatic – Blood Bank       | Los Angeles    | Local          |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  | WNV   | Not Applicable | Probable | Asymptomatic – Blood Bank       | Los Angeles    | Local          |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local  | WNV   | Not Applicable | Probable | Asymptomatic – Blood Bank       | Los Angeles    | Local          |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank Los Angeles Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank San Joaquin Local  | WNV   | Not Applicable | Probable | Asymptomatic – Blood Bank       | Los Angeles    | Local          |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank San Joaquin Local  | WNV   | Not Applicable | Probable | Asymptomatic – Blood Bank       | Los Angeles    | Local          |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank San Joaquin Local   | WNV   |                | Probable |                                 |                | Local          |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank Orange Local WNV Not Applicable Probable Asymptomatic – Blood Bank San Joaquin Local   | WNV   | Not Applicable | Probable | Asymptomatic - Blood Bank       | Orange         | Local          |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank San Joaquin Local  | WNV   | Not Applicable | Probable | Asymptomatic – Blood Bank       | Orange         | Local          |      |
| WNV Not Applicable Probable Asymptomatic – Blood Bank Fresno Local   | WNV   |                | Probable | Asymptomatic – Blood Bank       | San Joaquin    | Local          |      |
|  | WNV   |                | Probable |                                 |                | Local          |      |

<sup>\*</sup>Indicates fatality

Week **39** Friday, October 1, 2004

**Chicken Seroconversions Reported by DHS:** 

|      | Virus   | conversions Reported<br>County | State | Acode    | City            | Location  |
|------|---------|--------------------------------|-------|----------|-----------------|---|
| **** | WNV     | Kern                           | CA    | DLNO0060 | Delano          | Delano  |
|      | Bands:  | 1627, 1632, 1633               |       |          |                 | Probable Seroconversion Date: 26-August-04            |
|      | WNV     | Kern                           | CA    | DLNO0060 | Delano          | Delano  |
|      | Bands:  | 1626, 1630, 1631, 1634, 1635   | 5     |          |                 | Probable Seroconversion Date: 9-September-04          |
|      | WNV     | Kern                           | CA    | DLNO0060 | Delano          | Delano  |
|      | Bands:  | 1628, 1629                     |       |          |                 | <b>Probable Seroconversion Date</b> : 23-September-04 |
| **** | WNV     | Los Angeles                    | CA    | GRLA1003 | Encino          | Encino  |
|      | Bands:  | 1872, 1879                     |       |          |                 | <b>Probable Seroconversion Date</b> : 25-August-04    |
|      | WNV     | Los Angeles                    | CA    | GRLA1003 | Encino          | Encino  |
|      | Bands:  | 1874                           |       |          |                 | <b>Probable Seroconversion Date</b> : 8-September-04  |
|      | WNV     | Los Angeles                    | CA    | GRLA1003 | Encino          | Encino  |
|      | Bands:  | 1871, 1876, 1877, 1878         |       |          |                 | <b>Probable Seroconversion Date</b> : 22-September-04 |
| **** | WNV     | Los Angeles                    | CA    | GRLA1005 | Whittier        | Whittier-Narrows                                      |
|      | Band: 1 | 1891, 3922                     |       |          |                 | <b>Probable Seroconversion Date</b> : 23-August-04    |
|      | WNV     | Los Angeles                    | CA    | GRLA1005 | Whittier        | Whittier-Narrows                                      |
|      | Band:   | 1900, 3924                     |       |          |                 | <b>Probable Seroconversion Date</b> : 7-September-04  |
| **** | WNV     | Los Angeles                    | CA    | GRLA4012 | Rowland Heights | Rowland Heights                                       |
|      | Band: 3 | 3902, 3903, 3906, 3909         |       |          |                 | Probable Seroconversion Date: 9-August-04             |
|      | WNV     | Los Angeles                    | CA    | GRLA4012 | Rowland Heights | Rowland Heights                                       |
|      | Band: 3 | 3901, 3905, 3908, 7776         |       |          |                 | <b>Probable Seroconversion Date</b> : 23-August-04    |
| **** | WNV     | Los Angeles                    | CA    | LACW1008 | Inglewood       | Hollywood Park  |
|      | Band: 2 | 2170, 2172                     |       |          |                 | Probable Seroconversion Date: 9-September-04          |
| **** | WNV     | Los Angeles                    | CA    | LACW1009 | Los Angeles     | Rosedale Cemetery                                     |
|      | Band: 2 | 2175                           |       |          |                 | <b>Probable Seroconversion Date</b> : 9-September-04  |
|      | WNV     | Los Angeles                    | CA    | LONG0002 | Long Beach      | Harbor Terminal                                       |
|      | Band:   | 1218, 1219                     |       |          |                 | <b>Probable Seroconversion Date</b> : 20-September-04 |
|      | WNV     | Los Angeles                    | CA    | LONG0003 | Long Beach      | Del Amo Blvd Horse Stable                             |
|      | Band:   | 1221                           |       |          |                 | <b>Probable Seroconversion Date</b> : 20-September-04 |
| **** | WNV     | Riverside                      | CA    | COAV0210 | Cathedral City  | Vanden  |
|      | Band:   | 1337, 1338                     |       |          |                 | <b>Probable Seroconversion Date</b> : 23-August-04    |
|      | WNV     | Riverside                      | CA    | NWST0004 | Rancho Jurupa   | Rancho Jurupa Park                                    |
|      | Band: 4 | 4136                           |       |          |                 | <b>Probable Seroconversion Date</b> : 22-September-04 |
|      | WNV     | Riverside                      | CA    | NWST9226 | Riverside       | Mockingbird Canyon                                    |
|      | Band: 2 | 2657                           |       |          |                 | <b>Probable Seroconversion Date</b> : 22-September-04 |
|      | WNV     | Riverside                      | CA    | NWST9401 | Corona          | Corona Airport  |
|      | Band: 4 |                                |       |          |                 | Probable Seroconversion Date: 22-September-04         |
| **** | WNV     | Riverside                      | CA    | RIVR0008 | Murrieta        | Auld Ranch Road                                       |
|      | Band: 2 |                                |       |          |                 | Probable Seroconversion Date: 25-August-04            |
|      | WNV     | Riverside                      | CA    | RIVR0008 | Murrieta        | Auld Ranch Road                                       |
|      |         | 2823, 2829                     |       |          |                 | Probable Seroconversion Date: 8-September-04          |
|      | WNV     | Riverside                      | CA    | RIVR0008 | Murrieta        | Auld Ranch Road                                       |
|      |         | 2820, 2821, 2827, 2828, 2830   |       |          |                 | Probable Seroconversion Date: 22-September-04         |
|      | WNV     | Tehama                         | CA    | TEHA0001 | Red Bluff       | Red Bluff Shop  |
|      | Band: 3 | 603, 3606                      |       |          |                 | <b>Probable Seroconversion Date:</b> 15-September-04  |

Friday, October 1, 2004 Week 39

|      | Virus            | County              | State          | Acode    | City    | Location  |
|------|------------------|---------------------|----------------|----------|---------|---|
|      | WNV              | Tehama              | CA             | TEHA0001 | Corning | Woodson Bridge  |
|      | <b>Band</b> : 36 | 512                 |                |          |         | <b>Probable Seroconversion Date:</b> 15-September-04  |
| **** | WNV              | Tulare              | CA             | TLRE0012 | Tulare  | TMAD  |
|      | <b>Band:</b> 36  | 532                 |                |          |         | <b>Probable Seroconversion Date</b> 25-August-04      |
|      | WNV              | Tulare              | CA             | TLRE0012 | Tulare  | TMAD  |
|      | <b>Band:</b> 36  | 539                 |                |          |         | Probable Seroconversion Date: 8-September-04          |
|      | WNV              | Tulare              | CA             | TLRE0012 | Tulare  | TMAD  |
|      | <b>Band</b> : 36 | 533, 3634, 3635, 36 | 37, 3638, 3640 |          |         | <b>Probable Seroconversion Date</b> : 22-September-04 |

<sup>\*\*\*\*</sup>Indicates a new flock

| Virus | Mosquito species       | Date Collected | ACODE | Pool# | City                | County      | Date Received |
|-------|------------------------|----------------|-------|-------|---------------------|-------------|---------------|
| WNV   | Culex quinquefasciatus | 21-Sept        | CNSL  | 103   | Sanger              | Fresno      | 22-Sept       |
| WNV   | Culex quinquefasciatus | 21-Sept        | CNSL  | 104   | Fresno Air Terminal | Fresno      | 22-Sept       |
| WNV   | Culex quinquefasciatus | 21-Sept        | CNSL  | 106   | Fresno              | Fresno      | 22-Sept       |
| WNV   | Culex quinquefasciatus | 15-Sept        | GRLA  | 1847  | Encino              | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 15-Sept        | GRLA  | 1848  | Encino              | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 15-Sept        | GRLA  | 1849  | Encino              | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 15-Sept        | GRLA  | 1850  | Encino              | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 15-Sept        | GRLA  | 1851  | Encino              | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 15-Sept        | GRLA  | 1852  | Encino              | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 19-Sept        | GRLA  | 1868  | Encino              | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 19-Sept        | GRLA  | 1869  | Encino              | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 19-Sept        | GRLA  | 1870  | Encino              | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 19-Sept        | GRLA  | 1871  | Encino              | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 20-Sept        | GRLA  | 1876  | Los Angeles         | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 13-Sept        | GRLA  | 3188  | Rowland Heights     | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 13-Sept        | GRLA  | 3190  | Harbor City         | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 13-Sept        | GRLA  | 3204  | Whittier            | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 15-Sept        | GRLA  | 3214  | Lakewood            | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 15-Sept        | GRLA  | 3217  | Lakewood            | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 15-Sept        | GRLA  | 3218  | Lakewood            | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 15-Sept        | GRLA  | 3220  | Long Beach          | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 16-Sept        | GRLA  | 3225  | Montebello          | Los Angeles | 23-Sept       |
| WNV   | Culex quinquefasciatus | 16-Sept        | KERN  | 419   | Wasco               | Kern        | 22-Sept       |
| WNV   | Culex quinquefasciatus | 16-Sept        | KERN  | 420   | Shafter             | Kern        | 22-Sept       |
| WNV   | Culex quinquefasciatus | 16-Sept        | KERN  | 421   | Shafter             | Kern        | 22-Sept       |
| WNV   | Culex quinquefasciatus | 17-Sept        | KERN  | 423   | Bakersfield         | Kern        | 22-Sept       |
| WNV   | Culex quinquefasciatus | 17-Sept        | KERN  | 425   | Bakersfield         | Kern        | 22-Sept       |
| WNV   | Culex quinquefasciatus | 17-Sept        | KERN  | 426   | Bakersfield         | Kern        | 22-Sept       |
| WNV   | Culex quinquefasciatus | 17-Sept        | KERN  | 427   | Bakersfield         | Kern        | 22-Sept       |
| WNV   | Culex tarsalis         | 14-Sept        | KERN  | 5641  | Arvin               | Kern        | 20-Sept       |
| WNV   | Culex quinquefasciatus | 14-Sept        | KERN  | 5648  | Arvin               | Kern        | 20-Sept       |
| WNV   | Culex tarsalis         | 14-Sept        | KERN  | 5667  | Arvin               | Kern        | 20-Sept       |

Week **39** Friday, October 1, 2004

| 'irus      | Mosquito species       | Date Collected | ACODE | Pool # | City         | County         | Date Received |
|------------|------------------------|----------------|-------|--------|--------------|----------------|---------------|
| VNV        | Culex tarsalis         | 14-Sept        | KERN  | 5668   | Arvin        | Kern           | 20-Sept       |
| VNV        | Culex tarsalis         | 14-Sept        | KERN  | 5669   | Arvin        | Kern           | 20-Sept       |
| VNV        | Culex quinquefasciatus | 14-Sept        | KERN  | 5707   | Bakersfield  | Kern           | 20-Sept       |
| VNV        | Culex quinquefasciatus | 14-Sept        | KERN  | 5708   | Bakersfield  | Kern           | 20-Sept       |
| /NV        | Culex quinquefasciatus | 14-Sept        | KERN  | 5709   | Bakersfield  | Kern           | 20-Sept       |
| 'NV        | Culex quinquefasciatus | 14-Sept        | KERN  | 5710   | Bakersfield  | Kern           | 20-Sept       |
| NV         | Culex quinquefasciatus | 14-Sept        | KERN  | 5716   | Bakersfield  | Kern           | 20-Sept       |
| NV         | Culex quinquefasciatus | 14-Sept        | KERN  | 5717   | Bakersfield  | Kern           | 20-Sept       |
| NV         | Culex quinquefasciatus | 13-Sept        | LACW  | 168    |              | Los Angeles    | 21-Sept       |
| NV         | Culex quinquefasciatus | 13-Sept        | LACW  | 169    | Los Angeles  | Los Angeles    | 21-Sept       |
| NV         | Culex quinquefasciatus | 13-Sept        | LACW  | 170    |              | Los Angeles    | 21-Sept       |
| ٧V         | Culex quinquefasciatus | 13-Sept        | LACW  | 173    | Inglewood    | Los Angeles    | 21-Sept       |
| ٧V         | Culex quinquefasciatus | 8-Sept         | LONG  | 347    | Long Beach   | Los Angeles    | 17-Sept       |
| 1/         | Culex tarsalis         | 15-Sept        | LONG  | 367    | Long Beach   | Los Angeles    | 17-Sept       |
| 1/         | Culex tarsalis         | 16-Sept        | MERC  | 113    | Los Banos    | Merced         | 21-Sept       |
| V          | Culex quinquefasciatus | 14-Sept        | ORCO  | 1517   | Garden Grove | Orange         | 22-Sept       |
| <b>1</b> V | Culex quinquefasciatus | 14-Sept        | ORCO  | 1521   | Anaheim      | Orange         | 22-Sept       |
| V          | Culex quinquefasciatus | 14-Sept        | ORCO  | 1524   | Santa Ana    | Orange         | 22-Sept       |
| V          | Culex quinquefasciatus | 14-Sept        | ORCO  | 1525   | Fullerton    | Orange         | 22-Sept       |
| IV         | Culex quinquefasciatus | 15-Sept        | ORCO  | 1528   | La Habra     | Orange         | 22-Sept       |
| IV         | Culex quinquefasciatus | 15-Sept        | ORCO  | 1529   | Cypress      | Orange         | 22-Sept       |
| V          | Culex quinquefasciatus | 15-Sept        | ORCO  | 1530   | Orange       | Orange         | 22-Sept       |
| IV         | Culex quinquefasciatus | 15-Sept        | ORCO  | 1531   | Anaheim      | Orange         | 22-Sept       |
| IV         | Culex stigmatosoma     | 21-Sept        | RIVR  | 241    | Nuevo        | Riverside      | 23-Sept       |
| IV         | Culex tarsalis         | 29-July        | SANB  | 179    | Fontana      | San Bernardino | 21-Sept       |
| 1/         | Culex quinquefasciatus | 29-July        | SANB  | 180    | Fontana      | San Bernardino | 21-Sept       |
| IV         | Culex quinquefasciatus | 12-Aug         | SANB  | 183    | Upland       | San Bernardino | 21-Sept       |
| IV         | Culex tarsalis         | 18-Aug         | SANB  | 198    | Fontana      | San Bernardino | 21-Sept       |
| IV         | Culex quinquefasciatus | 19-Aug         | SANB  | 201    | Redlands     | San Bernardino | 21-Sept       |
| 1/         | Culex tarsalis         | 29-Aug         | SANB  | 222    | Fontana      | San Bernardino | 21-Sept       |
| IV         | Culex pipiens          | 17-Sept        | SAYO  | 1057   |              | Sacramento     | 20-Sept       |
| 1V         | Culex tarsalis         | 17-Sept        | SAYO  | 1082   |              | Sacramento     | 20-Sept       |
| <b>1</b> V | Culex tarsalis         | 17-Sept        | SAYO  | 1085   |              | Sacramento     | 20-Sept       |

# **Dead Birds Tested Positive for WNV last week**

| Species              | County | City        | Zip Code | Date Collected | Date Tested |
|----------------------|--------|-------------|----------|----------------|-------------|
| Western Scrub-Jay    | Amador | Drytown     | 95699    | 9/14/2004      | 9/20/2004   |
| Western Scrub-Jay    | Fresno | Reedley     | 93654    | 9/15/2004      | 9/20/2004   |
| Steller's Jay        | Fresno | Sanger      | 93657    | 9/13/2004      | 9/20/2004   |
| Western Scrub-Jay    | Fresno | Sanger      | 93657    | 9/13/2004      | 9/20/2004   |
| Western Scrub-Jay    | Kern   | Bakersfield | 93306    | 8/24/2004      | 9/20/2004   |
| American Crow        | Kern   | Bakersfield | 93306    | 9/14/2004      | 9/20/2004   |
| American Crow        | Kern   | Delano      | 93215    | 9/13/2004      | 9/20/2004   |
| Northern Waterthrush | Kern   | Edwards     | 93524    | 9/14/2004      | 9/20/2004   |
| Western Scrub-Jay    | Kings  | Hanford     | 93230    | 9/14/2004      | 9/20/2004   |

Week **39** Friday, October 1, 2004

| Species              | County      | City                        | Zip Code | Date Collected | Date Tested |
|----------------------|-------------|-----------------------------|----------|----------------|-------------|
| Western Scrub-Jay    | Lake        | Hidden Valley Lake          | 95467    | 9/13/2004      | 9/20/2004   |
| American Crow        | Lake        | Kelseyville                 | 95451    | 9/15/2004      | 9/20/2004   |
| American Crow        | Lake        | Lakeport                    | 95453    | 9/15/2004      | 9/20/2004   |
| Lesser Goldfinch     | Lassen      | Susanville                  | 96130    | 9/15/2004      | 9/20/2004   |
| American Crow        | Los Angeles | Agoura Hills                | 91301    | 9/7/2004       | 9/20/2004   |
| Western Scrub-Jay    | Los Angeles | Beverly Hills               | 90210    | 9/9/2004       | 9/20/2004   |
| American Crow        | Los Angeles | Encino                      | 91436    | 9/7/2004       | 9/20/2004   |
| American Crow        | Los Angeles | Sherman Oaks                | 91423    | 9/8/2004       | 9/20/2004   |
| Western Scrub-Jay    | Los Angeles | Westlake Village            | 91361    | 9/10/2004      | 9/20/2004   |
| American Crow        | Mendocino   | Ukiah                       | 95482    | 9/13/2004      | 9/20/2004   |
| Western Scrub-Jay    | Merced      | Delhi                       | 95315    | 9/13/2004      | 9/20/2004   |
| Steller's Jay        | Merced      | Merced                      | 95340    | 9/14/2004      | 9/20/2004   |
| Western Scrub-Jay    | Merced      | Winton                      | 95388    | 9/13/2004      | 9/20/2004   |
| Western Bluebird     | Monterey    | Monterey                    | 93940    | 9/13/2004      | 9/20/2004   |
| American Kestrel     | Monterey    | Pinnacles National Monument | 95043    | 9/13/2004      | 9/20/2004   |
| Western Scrub-Jay    | Monterey    | Salinas                     | 93907    | 9/14/2004      | 9/20/2004   |
| Steller's Jay        | Nevada      | Penn Valley                 | 95946    | 9/14/2004      | 9/20/2004   |
| Western Scrub-Jay    | Placer      | Auburn                      | 95603    | 9/9/2004       | 9/20/2004   |
| Steller's Jay        | Placer      | Auburn                      | 95603    | 9/13/2004      | 9/20/2004   |
| American Crow        | Placer      | Lincoln                     | 95648    | 9/10/2004      | 9/20/2004   |
| Western Scrub-Jay    | Placer      | Lincoln                     | 95648    | 9/13/2004      | 9/20/2004   |
| Yellow-billed Magpie | Placer      | Lincoln                     | 95648    | 9/14/2004      | 9/20/2004   |
| Yellow-billed Magpie | Placer      | Newcastle                   | 95658    | 9/14/2004      | 9/20/2004   |
| Yellow-billed Magpie | Placer      | Roseville                   | 95678    | 9/10/2004      | 9/20/2004   |
| Yellow-billed Magpie | Placer      | Roseville                   | 95678    | 9/14/2004      | 9/20/2004   |
| Barn Owl             | Placer      | Roseville                   | 95678    | 9/15/2004      | 9/20/2004   |
| American Crow        | Sacramento  | Citrus Heights              | 95610    | 9/13/2004      | 9/20/2004   |
| Yellow-billed Magpie | Sacramento  | Citrus Heights              | 95610    | 9/13/2004      | 9/20/2004   |
| Western Scrub-Jay    | Sacramento  | Elk Grove                   | 95624    | 9/7/2004       | 9/20/2004   |
| Western Scrub-Jay    | Sacramento  | Elk Grove                   | 95624    | 9/10/2004      | 9/20/2004   |
| Yellow-billed Magpie | Sacramento  | Elk Grove                   | 95757    | 9/13/2004      | 9/20/2004   |
| Western Scrub-Jay    | Sacramento  | Elk Grove                   | 95624    | 9/13/2004      | 9/20/2004   |
| American Kestrel     | Sacramento  | Elk Grove                   | 95758    | 9/13/2004      | 9/20/2004   |
| Western Scrub-Jay    | Sacramento  | Elk Grove                   | 95758    | 9/14/2004      | 9/20/2004   |
| Yellow-billed Magpie | Sacramento  | Elverta                     | 95626    | 9/13/2004      | 9/20/2004   |
| Yellow-billed Magpie | Sacramento  | Rancho Cordova              | 95670    | 9/9/2004       | 9/20/2004   |
| Western Scrub-Jay    | Sacramento  | Rancho Cordova              | 95670    | 9/13/2004      | 9/20/2004   |
| Yellow-billed Magpie | Sacramento  | Rancho Cordova              | 95670    | 9/14/2004      | 9/20/2004   |
| Red-tailed hawk      | Sacramento  | Rancho Cordova              | 95670    | 9/14/2004      | 9/20/04     |
| Yellow-billed Magpie | Sacramento  | Rio Linda                   | 95673    | 9/15/2004      | 9/20/2004   |
| Yellow-billed Magpie | Sacramento  | Sacramento                  | 95831    | 9/9/2004       | 9/20/2004   |
| Western Scrub-Jay    | Sacramento  | Sacramento                  | 95829    | 9/10/2004      | 9/20/2004   |
| American Crow        | Sacramento  | Sacramento                  | 95842    | 9/13/2004      | 9/20/2004   |
| American Crow        | Sacramento  | Sacramento                  | 95822    | 9/13/2004      | 9/20/2004   |
| Yellow-billed Magpie | Sacramento  | Sacramento                  | 95827    | 9/14/2004      | 9/20/2004   |
| Yellow-billed Magpie | Sacramento  | Sacramento                  | 95842    | 9/13/2004      | 9/20/2004   |

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| Species              | County          | City          | Zip Code | Date Collected | Date Tested |
|----------------------|-----------------|---------------|----------|----------------|-------------|
| Western Scrub-Jay    | Sacramento      | Sacramento    | 95818    | 9/14/2004      | 9/20/2004   |
| Steller's Jay        | Sacramento      | Sacramento    | 95828    | 9/15/2004      | 9/20/2004   |
| Western Scrub-Jay    | Sacramento      | Sacramento    | 95823    | 9/15/2004      | 9/20/2004   |
| Western Scrub-Jay    | Sacramento      | Sloughhouse   | 95683    | 9/10/2004      | 9/20/2004   |
| American Robin       | San Francisco   | San Francisco | 94127    | 9/7/2004       | 9/20/2004   |
| Red-tailed Hawk      | San Joaquin     | Lockeford     | 95237    | 9/13/2004      | 9/20/2004   |
| Western Scrub-Jay    | San Joaquin     | Woodbridge    | 95258    | 9/13/2004      | 9/20/2004   |
| Western Scrub-Jay    | San Luis Obispo | Paso Robles   | 93446    | 9/13/2004      | 9/20/2004   |
| Western Scrub-Jay    | Santa Clara     | San Jose      | 95135    | 9/13/2004      | 9/20/2004   |
| Mourning Dove        | Santa Cruz      | Aptos         | 95003    | 9/14/2004      | 9/20/2004   |
| Dark-eyed Junco      | Santa Cruz      | Santa Cruz    | 95060    | 9/10/2004      | 9/20/2004   |
| Anna's Hummingbird   | Santa Cruz      | Watsonville   | 95076    | 9/13/2004      | 9/20/2004   |
| Western Scrub-Jay    | Shasta          | Anderson      | 96007    | 8/24/2004      | 9/20/2004   |
| Spotted Towhee       | Siskiyou        | Weed          | 96094    | 9/13/2004      | 9/20/2004   |
| American Robin       | Siskiyou        | Yreka         | 96097    | 9/13/2004      | 9/20/2004   |
| Yellow-billed Magpie | Solano          | Vacaville     | 95687    | 9/14/2004      | 9/20/2004   |
| Yellow-billed Magpie | Solano          | Vacaville     | 95688    | 9/14/2004      | 9/20/2004   |
| American Crow        | Solano          | Vacaville     | 95687    | 9/15/2004      | 9/20/2004   |
| Western Tanager      | Sonoma          | Penngrove     | 94951    | 9/14/2004      | 9/20/2004   |
| Domestic Goose       | Sonoma          | Sebastopol    | 95472    | 9/7/2004       | 9/20/2004   |
| Western Scrub-Jay    | Stanislaus      | Modesto       | 95356    | 9/1/2004       | 9/20/2004   |
| White-tailed Kite    | Stanislaus      | Modesto       | 95357    | 9/13/2004      | 9/20/2004   |
| American Crow        | Stanislaus      | Modesto       | 95350    | 9/14/2004      | 9/20/2004   |
| Yellow-billed Magpie | Stanislaus      | Modesto       | 95355    | 9/14/2004      | 9/20/2004   |
| Yellow-billed Magpie | Stanislaus      | Modesto       | 95355    | 9/14/2004      | 9/20/2004   |
| Common Raven         | Stanislaus      | Modesto       | 95356    | 9/14/2004      | 9/20/2004   |
| Yellow-billed Magpie | Stanislaus      | Modesto       | 95358    | 9/14/2004      | 9/20/2004   |
| Yellow-billed Magpie | Stanislaus      | Salida        | 95368    | 9/10/2004      | 9/20/2004   |
| Yellow-billed Magpie | Stanislaus      | Turlock       | 95382    | 9/14/2004      | 9/20/2004   |
| American Crow        | Sutter          | Yuba City     | 95993    | 9/13/2004      | 9/20/2004   |
| American Crow        | Sutter          | Yuba City     | 95993    | 9/15/2004      | 9/20/2004   |
| Steller's Jay        | Tulare          | Cutler        | 93615    | 9/10/2004      | 9/20/2004   |
| American Crow        | Tulare          | Tulare        | 93274    | 9/9/2004       | 9/20/2004   |
| Western Scrub-Jay    | Tulare          | Visalia       | 93277    | 9/13/2004      | 9/20/2004   |
| Steller's Jay        | Tulare          | Visalia       | 93277    | 9/15/2004      | 9/20/2004   |
| Common Raven         | Tulare          | Visalia       | 93291    | 9/15/2004      | 9/20/2004   |
| American Crow        | Ventura         | Simi Valley   | 93063    | 9/9/2004       | 9/20/2004   |
| Western Scrub-Jay    | Ventura         | Ventura       | 93003    | 9/13/2004      | 9/20/2004   |
| Red-tailed hawk      | Yolo            | Clarksville   | 95616    | 9/14/2004      | 9/20/1904   |
| Western Scrub-Jay    | Yolo            | Davis         | 95616    | 9/13/2004      | 9/20/2004   |
| Yellow-billed Magpie | Yolo            | Woodland      | 95695    | 9/13/2004      | 9/20/2004   |
| Red-tailed Hawk      | Yolo            | Woodland      | 95695    | 9/12/2004      | 9/20/2004   |
| Yellow-billed Magpie | Yuba            | Marysville    | 95901    | 9/12/2004      | 9/20/2004   |

Week **39** Friday, October 1, 2004

#### **National Comments:**

As of September 28, 2004, West Nile Virus (WNV) activity has been detected in 47 states, the District of Columbia, Puerto Rico, and New York City. The District of Columbia reported its first human WNV case this week. Over 1700 human WNV cases have been reported in 39 states, DC and New York City. At this time in 2003, 5861 cases had been reported from 42 states. Of the 1,752 WNV cases where data is available, the median age is 51 years (range: 1 month – 99 years) and 58% are male. Thirty-six percent of the cases were neuroinvasive, compared with 29% at this time in 2003. There have been 56 WNV-related fatalities nationwide in 2004. The median age of the 55 fatalities where data were available was 75 years (range: 43-95 years).

#### **Dead Birds:**

Dead bird kidney tissues are tested at CVEC using the PCR Taqman assay, subsequent to carcass necropsy at the California Animal Health and Food Safety (CAHFS) Laboratories. Organ pools from PCR positive carcasses are tested using cell culture for virus isolation. The WNV Dead Bird Surveillance Coordinator, Ryan Carney, can be reached directly at (510) 412-6251.

Crows from positive zip codes are no longer accepted for necropsy. Positive Vec-tests from oral swabs from crows are no longer confirmed. Other bird species tested by RT-PCR using singleplex and confirmed with a second primer set.

#### **Sentinel Chickens:**

Dried blood spot specimens from sentinel chickens submitted each week to the DHS Viral and Rickettsial Disease Laboratory (VRDL) are tested for the presence of antibodies to West Nile virus (WNV), western equine encephalomyelitis (WEE), and St. Louis encephalitis (SLE) viruses by EIA and IFA. The VRDL performs additional testing (including Plaque Reduction Neutralization (PRNT) and IgM Capture – Enzyme Linked Immunosorbent Assay (MAC-ELISA)) on specimens from sentinel chickens in which antibodies are detected in new geographic areas. The VRDL also forwards selected serum to the UC Davis Center for Vectorborne Diseases (CVEC) for additional testing for WNV, WEE, and SLE antibodies as needed.

### **Mosquito Pools:**

All mosquito pools are screened for WEE, SLE, and WNV viral RNA using a Taqman multiplex RT-PCR. CVEC will cease confirmation testing on PCR-positive pools of *Cx. tarsalis* and *Cx. quinquefasciatus* but will continue to confirm multiplex PCR-positive results for other mosquito species using singleplex RT\_PCR. There will be an elimination of *in situ* EIA testing for all mosquito species.

Prepared by the Vector-Borne Disease Section (Infectious Diseases Branch) and the Viral and Rickettsial Disease Laboratory Branch, Division of Communicable Disease Control, California Department of Health Services, 850 Marina Bay Parkway, Richmond, CA 94804. Questions concerning this bulletin should be addressed to Al Hom by phone (510) 412-6254, FAX (510) 412-6263, or email [ahom@dhs.ca.gov].