

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

## Weekly Summary

### Comments:

#### **Humans:**

As of August 12, 2005, 174 human West Nile virus (WNV) infections have been identified from the following local health jurisdictions: Butte (5), Contra Costa (1), Fresno (19), Kern (15), Kings (18), Los Angeles (2), Merced (1), Orange (3), Placer (1), Riverside (24), Sacramento (36), San Bernardino (8), San Joaquin (3), Solano (1), Stanislaus (16), Sutter (2), Tulare (17), Ventura (1), and Yolo (1). Thirty-six of the 174 infections were initially detected in asymptomatic individuals through screening done at blood banks - twelve individuals later developed symptoms. In addition to the individuals detected at blood banks, two individuals who had no symptoms for WNV were detected through the local health department. Of the 146 WNV cases with symptoms, 49 are classified as West Nile neuroinvasive disease cases, 82 are classified as West Nile fever, and 15 are of unknown clinical presentation. The median age for all symptomatic cases where data is available is 48 years (range: 10-87 years). 104 (71%) of the cases are male. There have been 4 WNV-related fatalities to date in California this year, from Fresno (1), Kings (1), Riverside (1), and San Joaquin (1) counties.

#### **Horses:**

The California Department of Food & Agriculture reported 62 new confirmed cases of equine WNV in Butte (3), Contra Costa (2), Fresno (3), Kern (4), Madera (3), Merced (5), Nevada (1), Placer (2), Riverside (7), Sacramento (7), San Joaquin (2), Shasta (1), Solano (3), Stanislaus (2), Tulare (5), Ventura (1), Yolo (9), and Yuba (2) counties. These were the first WNV positive horses in Contra Costa, Nevada, Shasta, and Ventura counties. The YTD total for the State is 148.

#### **Dead Birds:**

This week the hotline received 7,926 dead bird reports, for a YTD total of 68,435 reports. 241 out of 391 (61.6%) dead birds collected from 47 counties tested positive for WNV this week.

- 195 out of 335 (58.2%) dead birds tested positive via RT-PCR.
- 21 out of 21 (100%) corvids tested positive via VecTest.
- 23 out of 23 (100%) corvids tested positive via RAMP.
- 2 out of 12 (16.7%) dead birds tested positive via immunohistochemistry.

The WNV positive dead birds were collected from the following counties: Amador (2); Butte (19); Colusa (1); Contra Costa (4); El Dorado (4); Fresno (19); Glenn (2); Inyo (1); Kern (5); Lake (1); Los Angeles (9); Madera (2); Marin (2); Mariposa (1); Merced (20); Orange (2); Placer (9); Riverside (18); Sacramento (8); San Benito (1); San Bernardino (3); San Diego (3); San Joaquin (10); Santa Barbara (6); Santa Clara (7); Shasta (1); Solano (8); Solano (1); Stanislaus (25); Sutter (3); Tehama (7); Tulare (25); Tuolumne (1); Ventura (5); Yolo (5); and Yuba (1). This is the first positive bird in Inyo County. **This is the first indication of WNV activity in Mariposa and San Benito counties in 2005.**

The following bird species tested positive for WNV: acorn woodpecker (2); American crow (69); American kestrel (3); American robin (5); Anna's hummingbird (1); black-crowned night heron (1); Cooper's hawk (1); great horned owl (1); green heron (1); house finch (12); house sparrow (6); house wren (1); mourning dove (1); northern mockingbird (1); rock dove (1); sparrow (1); unknown (4); western scrub-jay (84); and yellow-billed magpie (46). See "WNV Positive Dead Birds" table for details.

Since January 1, 2005, 1,293 of 5,521 (23.4%) dead birds have tested positive for WNV.

#### **Mosquito Pools:**

WNV: CVEC reported 114 WNV positive mosquito pools from the following counties: Alameda (1), Fresno (3), Kern (28), Lake (4), Los Angeles (19), Orange (2), Placer (4), Riverside (8), Sacramento (25), Santa Barbara (4), Santa Clara (2), Stanislaus (6), Sutter (6), Tulare (1), and Yolo (1). This was the first mosquito activity detected in Alameda County in 2005. The YTD total for the State is 712.

WEE: CVEC also reported one positive WEE pool in Kern county. The YTD for the State is 29.

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

**Sentinel Chickens:** There are 124 flavivirus positive seroconversions that are being sent to VRDL for confirmation

**WNV:** VRDL is presenting a summary of WNV seroconversions to date. This method attempts to minimize the confusion caused by the dramatic increase in the number of seroconversions reported this week. The reason for the increase is the reconciliation of previous flavivirus positive results to confirmed WNV seroconversions. The summary table is chronologically arranged starting with the first seroconversion and ending the most recent seroconversions. For this week, there were a total of 32 seroconversions in Riverside (18), Tulare (11), San Bernardino (2) and Los Angeles (1) counties. The current YTD total stands at 169 seroconversions.

**WEE:** VRDL reported eight WEE seroconversions in four flocks from Riverside (7) and Kern (1) counties. The current YTD stands at 69 seroconversions.

**Website Information:**

For updated information on WNV, please visit the California WNV website, [www.westnile.ca.gov](http://www.westnile.ca.gov), the CDC website, [www.cdc.gov](http://www.cdc.gov), and the USGS website, [www.westnilemaps.usgs.gov](http://www.westnilemaps.usgs.gov). Please go to the Vector website at <http://vector.ucdavis.edu/arbo.html> for flock location and more information on WNV and other vector-borne diseases.

## TEST SUMMARIES

### Humans and Horses

		Number Tested	WNV Positive		WEE Positive		SLE Positive		Other Positive	
			Imported	Local	Imported	Local	Imported	Local	Imported	Local
Humans Tested	Week	91	0	72	0	0	0	0	0	0
	YTD	1004	0	174	0	0	0	0	0	0
Horses Tested	Week	62	0	62	0	0	0	0	0	0
	YTD	468	0	148	0	0	0	0	0	0

### Dead Birds

	Number Tested	WNV Positive
Week	391	241
YTD	5,521	1,293

### Sentinel Chickens and Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive	Other Positive
	YTD	20400	169	69	0	0
Mosquito pools	Week	650	114	1	0	0
	YTD	12674	712	29	0	0

\*Total has been adjusted to include local agency submission

### Human Positives Reported (August 8 – August 12):

Virus	Date of Onset	Status	Diagnosis	County	Imported/ Local
WNV	Unk	Probable	West Nile Fever	Butte	Local
WNV	07/29/05	Probable	West Nile Fever*	Butte	Local
WNV	Unk	Probable	West Nile Fever	Kings	Local
WNV	07/13/05	Probable	West Nile Fever	Kings	Local
WNV	07/28/05	Probable	West Nile Neuroinvasive Disease	Fresno	Local
WNV	07/29/05	Probable	West Nile Fever	Sacramento	Local
WNV	07/29/05	Probable	West Nile Neuroinvasive Disease	Sacramento	Local

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

WNV	07/22/05	Probable	West Nile Fever	Sacramento	Local
WNV	07/24/05	Probable	West Nile Neuroinvasive Disease	Sacramento	Local
WNV	Unk	Probable	West Nile Fever	Sacramento	Local
WNV	07/12/05	Probable	West Nile Neuroinvasive Disease	Stanislaus	Local
WNV	08/06/05	Probable	West Nile Neuroinvasive Disease	Stanislaus	Local
WNV	07/21/05	Probable	West Nile Neuroinvasive Disease	Orange	Local
<b>WNV</b>	<b>Unk</b>	<b>Probable</b>	<b>West Nile Neuroinvasive Disease</b>	<b>Fresno</b>	<b>Local</b>
WNV	07/21/05	Probable	West Nile Fever	Tulare	Local
WNV	07/21/05	Probable	West Nile Neuroinvasive Disease	Tulare	Local
WNV	07/13/05	Probable	West Nile Neuroinvasive Disease	Tulare	Local
WNV	07/17/05	Probable	West Nile Fever	Tulare	Local
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Fresno	Local
WNV	07/30/05	Probable	West Nile Fever	Fresno	Local
WNV	07/27/05	Probable	West Nile Fever	Fresno	Local
WNV	08/02/05	Probable	West Nile Fever	Fresno	Local
WNV	07/28/05	Probable	West Nile Fever	Kings	Local
WNV	06/10/05	Probable	West Nile Fever	Tulare	Local
WNV	07/26/05	Probable	West Nile Neuroinvasive Disease	San Bernardino	Local
WNV	07/26/05	Probable	West Nile Fever	San Bernardino	Local
WNV	Unk	Probable	West Nile Fever	Butte	Local
WNV	Week 30	Probable	West Nile Fever	Butte	Local
WNV	07/14/05	Probable	West Nile Neuroinvasive Disease	Riverside	Local
WNV	07/02/05	Probable	West Nile Fever	Riverside	Local
WNV	07/25/05	Probable	West Nile Neuroinvasive Disease	Riverside	Local
WNV	07/27/05	Probable	West Nile Neuroinvasive Disease	Riverside	Local
WNV	07/23/05	Probable	Unknown	Riverside	Local
WNV	07/31/05	Probable	West Nile Neuroinvasive Disease	Riverside	Local
WNV	07/24/05	Probable	West Nile Fever	Riverside	Local
WNV	7/5/2005	Probable	West Nile Fever	Los Angeles	Local
WNV	Week 30	Probable	West Nile Fever*	Sutter	Local
WNV	07/10/05	Probable	West Nile Fever	Kern	Local
WNV	07/13/05	Probable	West Nile Fever	Kern	Local
WNV	07/24/05	Probable	West Nile Fever	Kern	Local
WNV	07/22/05	Probable	West Nile Fever	Kern	Local
WNV	07/19/05	Probable	West Nile Fever	Kern	Local
WNV	07/27/05	Probable	West Nile Fever	Los Angeles	Local
WNV	Week 30	Probable	West Nile Fever*	Yolo	Local
WNV	08/05/05	Probable	West Nile Neuroinvasive Disease	Fresno	Local
WNV	07/16/05	Probable	West Nile Fever	Kings	Local
WNV	07/25/05	Probable	West Nile Fever	Kings	Local
WNV	07/24/05	Probable	West Nile Neuroinvasive Disease	Kings	Local
WNV	07/23/05	Probable	West Nile Fever	Kings	Local
WNV	07/15/05	Probable	West Nile Fever	San Joaquin	Local

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

<b>WNV</b>	<b>Week 31</b>	<b>Probable</b>	<b>West Nile Neuroinvasive Disease</b>	<b>San Joaquin</b>	<b>Local</b>
WNV	08/01/05	Probable	West Nile Fever	Fresno	Local
WNV	08/07/05	Probable	West Nile Neuroinvasive Disease	Sacramento	Local
WNV	07/27/05	Probable	West Nile Fever	Sacramento	Local
WNV	07/01/05	Probable	West Nile Fever	Sacramento	Local
WNV	08/05/05	Probable	West Nile Neuroinvasive Disease	Sacramento	Local
WNV	07/26/05	Probable	West Nile Fever	Sacramento	Local
WNV	08/01/05	Probable	West Nile Neuroinvasive Disease	Sacramento	Local
WNV	08/01/05	Probable	West Nile Neuroinvasive Disease	Sacramento	Local
WNV	Unk	Probable	Unknown	San Bernardino	Local
WNV	Unk	Probable	Unknown	San Bernardino	Local
WNV	07/29/05	Probable	West Nile Neuroinvasive Disease	Contra Costa	Local
WNV	08/09/05	Probable	Asymptomatic Blood Donor	Stanislaus	Local
WNV	08/09/05	Probable	Asymptomatic Blood Donor	Tulare	Local
WNV	08/10/05	Probable	Asymptomatic Blood Donor	Sacramento	Local
WNV	08/10/05	Probable	Asymptomatic Blood Donor	Sacramento	Local
WNV	08/10/05	Probable	Asymptomatic Blood Donor	Stanislaus	Local
WNV	08/10/05	Probable	Asymptomatic Blood Donor	Butte	Local
WNV	08/10/05	Probable	Asymptomatic Blood Donor	Stanislaus	Local
WNV	08/12/05	Probable	Asymptomatic Blood Donor	Fresno	Local
WNV	08/12/05	Probable	Asymptomatic Blood Donor	Fresno	Local
WNV	08/12/05	Probable	Asymptomatic Blood Donor	Fresno	Local
WNV	08/12/05	Probable	Asymptomatic Blood Donor	Fresno	Local
WNV	08/11/05	Probable	Asymptomatic (Not a Blood Donor)^	Sacramento	Local

**Bolded entries refer to fatalities.**

**\* = Initially detected by blood bank screening; later became symptomatic**

### Virus Isolations From Mosquito Pools:

<b>Virus</b>	<b>Mosquito species</b>	<b>Date Collected</b>	<b>ACODE</b>	<b>Pool #</b>	<b>City</b>	<b>County</b>	<b>Date Received</b>
WNV	Cx tarsalis	8/4/05	ALCO	77	Mountain House	Alameda	8/11/05
WNV	Cx quinquefasciatus	8/3/05	CNSL	228	Raisin City	Fresno	8/9/05
WNV	Cx tarsalis	8/9/05	CNSL	234	Riverdale	Fresno	8/10/05
WNV	Cx tarsalis	8/9/05	CNSL	236	Riverdale	Fresno	8/10/05
WNV	Cx tarsalis	8/2/05	COAV	2157	Niland	Imperial	8/10/05
WNV	Cx tarsalis	8/4/05	COAV	2167	Cathedral City	Riverside	8/10/05
WNV	Cx quinquefasciatus	8/4/05	COAV	2175	Rancho Mirage	Riverside	8/10/05
WNV	Cx quinquefasciatus	8/4/05	COAV	2176	Rancho Mirage	Riverside	8/10/05
WNV	Cx quinquefasciatus	8/4/05	COAV	2177	Indio	Riverside	8/10/05
WNV	Cx quinquefasciatus	8/9/05	DLTA	70	Visalia	Tulare	8/10/05
WNV	Cx quinquefasciatus	8/4/05	GRLA	1193	Long Beach	Los Angeles	8/11/05
WNV	Cx quinquefasciatus	8/4/05	GRLA	1194	Long Beach	Los Angeles	8/11/05
WNV	Cx quinquefasciatus	8/4/05	GRLA	1197	Long Beach	Los Angeles	8/11/05
WNV	Cx quinquefasciatus	8/4/05	GRLA	1198	Long Beach	Los Angeles	8/11/05
WNV	Cx quinquefasciatus	8/4/05	GRLA	1199	Long Beach	Los Angeles	8/11/05

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

WNV	Cx quinquefasciatus	8/4/05	GRLA	1200	Long Beach	Los Angeles	8/11/05
WNV	Cx quinquefasciatus	8/5/05	GRLA	1203	Pico Rivera	Los Angeles	8/11/05
WNV	Cx quinquefasciatus	8/5/05	GRLA	1206	Long Beach	Los Angeles	8/11/05
WNV	Cx quinquefasciatus	8/5/05	GRLA	1207	Lakewood	Los Angeles	8/11/05
WNV	Cx quinquefasciatus	8/5/05	GRLA	1208	Cerritos	Los Angeles	8/11/05
WNV	Cx tarsalis	8/5/05	GRLA	1217	Pico Rivera	Los Angeles	8/11/05
WNV	Cx quinquefasciatus	8/5/05	GRLA	1219	Long Beach	Los Angeles	8/11/05
WNV	Cx quinquefasciatus	8/5/05	GRLA	5732	Los Angeles	Los Angeles	8/10/05
WNV	Cx quinquefasciatus	8/4/05	GRLA	5746	Los Angeles	Los Angeles	8/10/05
WNV	Cx quinquefasciatus	8/4/05	GRLA	5748	Los Angeles	Los Angeles	8/10/05
WNV	Cx quinquefasciatus	8/4/05	GRLA	5752	Los Angeles	Los Angeles	8/10/05
WNV	Cx quinquefasciatus	8/4/05	GRLA	5753	Los Angeles	Los Angeles	8/10/05
WNV	Cx quinquefasciatus	8/4/05	GRLA	5755	Santa Clarita	Los Angeles	8/10/05
WNV	Cx quinquefasciatus	8/4/05	GRLA	5761	Santa Clarita	Los Angeles	8/10/05
WNV	Cx tarsalis	8/2/05	KERN	336	Bakersfield	Kern	8/10/05
WNV	Cx tarsalis	8/2/05	KERN	337	Bakersfield	Kern	8/10/05
WNV	Cx quinquefasciatus	8/2/05	KERN	341	Bakersfield	Kern	8/10/05
WNV	Cx quinquefasciatus	8/2/05	KERN	343	Pumpkin Center	Kern	8/10/05
WNV	Cx tarsalis	8/3/05	KERN	344	Lamont	Kern	8/10/05
WNV	Cx quinquefasciatus	8/3/05	KERN	345	Lamont	Kern	8/10/05
WNV	Cx tarsalis	8/3/05	KERN	347	Arvin	Kern	8/10/05
WNV	Cx tarsalis	8/3/05	KERN	348	Arvin	Kern	8/10/05
WNV	Cx tarsalis	8/3/05	KERN	349	Arvin	Kern	8/10/05
WNV	Cx quinquefasciatus	8/3/05	KERN	351	Arvin	Kern	8/10/05
WNV	Cx quinquefasciatus	8/3/05	KERN	353	Shafter	Kern	8/10/05
WNV	Cx quinquefasciatus	8/5/05	KERN	356	Bakersfield	Kern	8/10/05
WNV	Cx quinquefasciatus	8/5/05	KERN	357	Bakersfield	Kern	8/10/05
WNV	Cx quinquefasciatus	8/5/05	KERN	358	Bakersfield	Kern	8/10/05
WNV	Cx quinquefasciatus	8/5/05	KERN	359	Bakersfield	Kern	8/10/05
WNV	Cx quinquefasciatus	8/5/05	KERN	360	Bakersfield	Kern	8/10/05
WNV	Cx quinquefasciatus	8/5/05	KERN	361	Bakersfield	Kern	8/10/05
WNV	Cx quinquefasciatus	8/5/05	KERN	364	Bakersfield	Kern	8/10/05
WNV	Cx tarsalis	8/2/05	KERN	5672	Lost Hills	Kern	8/10/05
WNV	Cx tarsalis	8/2/05	KERN	5673	Lost Hills	Kern	8/10/05
WNV	Cx tarsalis	8/2/05	KERN	5675	Lost Hills	Kern	8/10/05
WNV	Cx tarsalis	8/2/05	KERN	5676	Shafter	Kern	8/10/05
WNV	Cx tarsalis	8/2/05	KERN	5679	Buttonwillow	Kern	8/10/05
WNV	Cx tarsalis	8/3/05	LAKE	153	Kelseyville	Lake	8/10/05
WNV	Cx tarsalis	8/8/05	LAKE	169	Upper Lake	Lake	8/10/05
WNV	Cx tarsalis	8/9/05	LAKE	172	Lakeport	Lake	8/10/05
WNV	Cx stigmatosoma	8/8/05	LAKE	175	Upper Lake	Lake	8/10/05
WNV	Cx quinquefasciatus	8/2/05	ORCO	2533	Garden Grove	Orange	8/9/05
WNV	Cx stigmatosoma	8/2/05	ORCO	2542	Yorba Linda	Orange	8/9/05
WNV	Cx pipiens	8/1/05	PLCR	74	Lincoln	Placer	8/9/05
WNV	Cx tarsalis	8/1/05	PLCR	76	Dry Creek	Placer	8/9/05

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

WNV	Cx tarsalis	8/1/05	PLCR	77	Roseville	Placer	8/9/05
WNV	Cx tarsalis	8/2/05	PLCR	83	Elverta	Placer	8/9/05
WNV	Cx erythrothorax	7/26/05	RIVR	280	Murrieta	Riverside	8/5/05
WNV	Cx erythrothorax	7/26/05	RIVR	282	Murrieta	Riverside	8/5/05
WNV	Cx erythrothorax	7/26/05	RIVR	284	Murrieta	Riverside	8/5/05
WNV	Cx tarsalis	8/3/05	SAYO	577	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/3/05	SAYO	579	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/3/05	SAYO	580	Citrus Heights	Sacramento	8/8/05
WNV	Cx tarsalis	8/4/05	SAYO	582	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/4/05	SAYO	591	Citrus Heights	Sacramento	8/8/05
WNV	Cx tarsalis	8/5/05	SAYO	594	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/5/05	SAYO	595	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/5/05	SAYO	597	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/5/05	SAYO	601	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/5/05	SAYO	603	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/5/05	SAYO	608	Sacramento	Sacramento	8/8/05
WNV	Cx pipiens	8/5/05	SAYO	613	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/5/05	SAYO	614	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/5/05	SAYO	615	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/5/05	SAYO	628	Elk Grove	Sacramento	8/8/05
WNV	Cx tarsalis	8/5/05	SAYO	631	Woodland	Yolo	8/8/05
WNV	Cx pipiens	8/5/05	SAYO	639	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/5/05	SAYO	640	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/6/05	SAYO	654	Citrus Heights	Sacramento	8/8/05
WNV	Cx tarsalis	8/6/05	SAYO	667	Elk Grove	Sacramento	8/8/05
WNV	Cx pipiens	8/7/05	SAYO	685	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/7/05	SAYO	686	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/7/05	SAYO	687	Citrus Heights	Sacramento	8/8/05
WNV	Cx pipiens	8/6/05	SAYO	697	Citrus Heights	Sacramento	8/8/05
WNV	Cx tarsalis	8/5/05	SAYO	705	Sacramento	Sacramento	8/8/05
WNV	Cx tarsalis	8/5/05	SAYO	710	Sacramento	Sacramento	8/8/05
WNV	Cx tarsalis	8/3/05	SBCO	248	Santa Barbara	Santa Barbara	8/9/05
WNV	Cx tarsalis	8/3/05	SBCO	251	Santa Barbara	Santa Barbara	8/9/05
WNV	Cx tarsalis	8/3/05	SBCO	252	Santa Barbara	Santa Barbara	8/9/05
WNV	Cx erythrothorax	8/3/05	SBCO	264	Santa Barbara	Santa Barbara	8/9/05
WNV	Cx tarsalis	8/3/05	STCL	1721	San Jose	Santa Clara	8/5/05
WNV	Cx pipiens	8/3/05	STCL	1722	San Jose	Santa Clara	8/5/05
WNV	Cx tarsalis	8/4/05	SUYA	212	Sutter National Wild	Sutter	8/9/05
WNV	Cx pipiens	8/5/05	SUYA	216	Robbins	Sutter	8/9/05
WNV	Cx tarsalis	8/5/05	SUYA	217	Rio Oso	Sutter	8/9/05
WNV	Cx tarsalis	8/8/05	SUYA	218	Pennington	Sutter	8/9/05
WNV	Cx tarsalis	8/8/05	SUYA	222	Pleasant Grove	Sutter	8/9/05
WNV	Cx tarsalis	8/8/05	SUYA	228	Tudor	Sutter	8/9/05
WNV	Cx pipiens	8/8/05	TRLK	574	Denair	Stanislaus	8/11/05
WNV	Cx pipiens	8/8/05	TRLK	575	Denair	Stanislaus	8/11/05

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

WNV	Cx pipiens	8/8/05	TRLK	576	Denair	Stanislaus	8/11/05
WNV	Cx pipiens	8/8/05	TRLK	578	Denair	Stanislaus	8/11/05
WNV	Cx pipiens	8/8/05	TRLK	584	Denair	Stanislaus	8/11/05
WNV	Cx pipiens	8/8/05	TRLK	585	Denair	Stanislaus	8/11/05
WNV	Cx tarsalis	7/28/05	WEST	262	Lost Hills	Kern	8/4/05
WNV	Cx tarsalis	7/29/05	WEST	263	Tupman	Kern	8/4/05
WNV	Cx tarsalis	7/29/05	WEST	264	Tupman	Kern	8/4/05
WNV	Cx quinquefasciatus	8/1/05	WEST	266	Dustin Acres	Kern	8/4/05
WNV	Cx tarsalis	8/2/05	WEST	267	Hwy 119 and Hwy 43	Kern	8/4/05
WEE	Cx tarsalis	8/2/05	KERN	5673	Lost Hills	Kern	8/10/05

### Chicken Seroconversions Reported by DHS:

	State	City	Location	Band #						Sero. Date	
Virus	County	Acode									
WNV	LOS ANGELES	CA	ANTV3247	Lancaster	Fairgrounds	8826				5/11/05	
WNV	LOS ANGELES	CA	ANTV3247	Lancaster	Fairgrounds	8830				5/24/05	
WNV	RIVERSIDE	CA	COAV0204	Indio	York					6/6/05	
WNV	RIVERSIDE	CA	NWST6666	Lake Elsinore	Lake Elsinore	6189				6/7/05	
WNV	TULARE	CA	DLTA6006	Visalia	COS Farm	4991	4996			6/20/05	
WNV	RIVERSIDE	CA	RIVR0002	Hemet	San Jacinto Wildlife Reserve	5232				6/22/05	
WNV	KERN	CA	KERN0105	Bakersfield	Wible/Houghton	4332	4339			6/27/05	
WNV	KERN	CA	KERN0106	Bakersfield	Oildale	4343				6/27/05	
WNV	KERN	CA	KERN0111	Arvin	Blackburn residence	4380				6/27/05	
WNV	LOS ANGELES	CA	LONG0004	Long Beach	Long Beach Marina Oil Fields	6783				7/5/05	
WNV	RIVERSIDE	CA	COAV0122	Mecca	Gordon	8972	8974			7/5/05	
WNV	RIVERSIDE	CA	COAV0200	Mecca	Mecca	8982				7/5/05	
WNV	RIVERSIDE	CA	COAV0201	Thermal	Thermal	8990	8993	8998		7/5/05	
WNV	RIVERSIDE	CA	NWST9401	Corona	Corona Airport	6165				7/5/05	
WNV	TULARE	CA	DLTA6005	Visalia	Delta VCD	4984				7/5/05	
WNV	TULARE	CA	DLTA6006	Visalia	COS Farm	4992		4994	4995	4998	7/5/05

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

	WNV	RIVERSIDE	CA	RIVR0001	San Jacinto	Country Lakes Mobile Home Park	5203	5204							7/6/05
	WNV	RIVERSIDE	CA	RIVR0002	Hemet	San Jacinto Wildlife Reserve	5226	5227	5228	5233					7/6/05
	WNV	SAN BERNARDINO	CA	WVAL0002	Chino	Dog Club	5706	5707							7/6/05
	WNV	SAN BERNARDINO	CA	WVAL0003	Chino Hills	Pump Station	5708	5709	5710						7/6/05
	WNV	SANTA BARBARA	CA	SBCO0001	Goleta	Goleta Sanitary District	5102								7/7/05
	WNV	RIVERSIDE	CA	RIVR0008	Murrieta	Auld Rd	5248	5251	5253	5268					7/8/05
	WNV	KERN	CA	KERN0101	Lost Hills	Kern NWR	4309	4310							7/11/05
	WNV	KERN	CA	KERN0107	Arvin	John Dale	4355	4358							7/11/05
	WNV	KERN	CA	KERN0112	Wasco	Wells Residence	4384								7/11/05
	WNV	KERN	CA	KERN0113	Bakersfield	Kern River	4362	4363	4364	4367					7/11/05
	WNV	MERCED	CA	MERC0006	Merced	Deweese	4733	4737							7/11/05
	WNV	COLUSA	CA	CLSA0001	Colusa	Grussenmeyer	8130								7/12/05
	WNV	KERN	CA	WEST6202	Belridge	Belridge	4558								7/12/05
	WNV	SACRAMENTO	CA	SAYO7000	Elk Grove	Elk Grove	6024	6025							7/12/05
	WNV	BUTTE	CA	BUCO0004	Gridley	Gray Lodge	5444								7/13/05
	WNV	BUTTE	CA	BUCO0005	Honcut	Honcut	5451								7/13/05
	WNV	KINGS	CA	KNGS2001	Hanford	KMAD Facility	5602	5604	5606	5607	5608				7/13/05
	WNV	KINGS	CA	KNGS2004	Corcoran	Corcoran	5651	5655	5658	5659					7/13/05
	WNV	LOS ANGELES	CA	LACW1024	Calabasas	Calabasas	3897								7/18/05
	WNV	LOS ANGELES	CA	LONG0004	Long Beach	Long Beach Marina Oil Fields	6786								7/18/05
	WNV	PLACER	CA	PLCR0128	Roseville	Roseville	0857	0858							7/18/05
	WNV	RIVERSIDE	CA	COAV0131	Oasis	Jessup	8557	8563							7/18/05
	WNV	RIVERSIDE	CA	COAV0200	Mecca	Mecca	8984								7/18/05
	WNV	RIVERSIDE	CA	COAV0204	Indio	York	0731								7/18/05
	WNV	SANTA BARBARA	CA	SBCO0001	Goleta	Goleta Sanitary District	5107								7/18/05
	WNV	TULARE	CA	DLTA6005	Visalia	Delta VCD	4980	4981	4985	4986	4987				7/18/05
	WNV	TULARE	CA	DLTA6008	Goshen	Joe Costa	0670								7/18/05
	WNV	RIVERSIDE	CA	NWST6666	Lake Elsinore	Lake Elsinore	6192								7/19/05
	WNV	RIVERSIDE	CA	NWST9401	Corona	Corona Airport	6161	6162							7/19/05
	WNV	MOAB	CA	MOAB0002	MoabUT	Riversands	0936	0937							7/20/05



# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

	WNV	RIVERSIDE	CA	RIVR0002	Hemet	San Jacinto Wildlife Reserve	5224	5225	5229	5230			7/20/05
	WNV	RIVERSIDE	CA	RIVR0004	Beaumont	Cherry Valley Fire Station	5212	5213					7/20/05
	WNV	RIVERSIDE	CA	RIVR0008	Murrieta	Auld Rd	5249						7/20/05
	WNV	KERN	CA	KERN0101	Lost Hills	Kern NWR	4301	4302	4306	4307			7/25/05
	WNV	KERN	CA	KERN0105	Bakersfield	Wible/Houghton	4338						7/25/05
	WNV	KERN	CA	KERN0105	Bakersfield	Wible/Houghton	4333	4334	4335	4336	4337		7/25/05
	WNV	KERN	CA	KERN0107	Arvin	John Dale	4351	4357					7/25/05
	WNV	KERN	CA	KERN0111	Arvin	Blackburn residence	4374	4377	4378				7/25/05
	WNV	KERN	CA	KERN0112	Wasco	Wells Residence	4386	4389					7/25/05
	WNV	KERN	CA	KERN0113	Bakersfield	Kern River	4361	4365	4366	4368	4369		7/25/05
	WNV	KERN	CA	WEST6202	Belridge	Belridge	4564						7/26/05
	WNV	KINGS	CA	KNGS2001	Hanford	KMAD Facility	5601						7/26/05
	WNV	KINGS	CA	KNGS2004	Corcoran	Corcoran	5652	5654	5660				7/26/05
	WNV	BUTTE	CA	BUCO0004	Gridley	Gray Lodge	5436	5438	5439	5443			7/27/05
	WNV	BUTTE	CA	BUCO0005	Honcut	Honcut	5454						7/27/05
	WNV	MERCED	CA	MERC0006	Merced	Deweese	4734	4735	4736				7/27/05
****	WNV	TULARE	CA	DLTA4003	Woodlake	St. John's	4976						7/18/05
****	WNV	TULARE	CA	TLRE0012	Tulare	TMAD	0539	0545					7/20/05
	WNV	RIVERSIDE	CA	COAV0200	Mecca	Mecca	8980						8/1/05
	WNV	RIVERSIDE	CA	COAV0201	Thermal	Thermal	8994						8/1/05
	WNV	RIVERSIDE	CA	COAV0204	Indio	York	0735						8/1/05
	WNV	TULARE	CA	DLTA4003	Woodlake	St. John's	4970	4972	4973				8/1/05
	WNV	TULARE	CA	DLTA6005	Visalia	Delta VCD	4982	4983					8/1/05
	WNV	TULARE	CA	DLTA6008	Goshen	Joe Costa	0674	0677	0678				8/1/05
****	WNV	LOS ANGELES	CA	GRLA2056	Long Beach	El Dorado Park	7269						8/1/05
	WNV	SAN BERNARDINO	CA	WVAL0002	Chino	Dog Club	5705						8/1/05
	WNV	SAN BERNARDINO	CA	WVAL0003	Chino Hills	Pump Station	5711						8/1/05
	WNV	RIVERSIDE	CA	NWST6666	Lake Elsinore	Lake Elsinore	6194						8/2/05
	WNV	RIVERSIDE	CA	NWST9401	Corona	Corona Airport	6157	6158	6160				8/2/05
	WNV	RIVERSIDE	CA	RIVR0001	San Jacinto	Country Lakes Mobile Home Park	5202	5209					8/3/05
	WNV	RIVERSIDE	CA	RIVR0004	Beaumont	Cherry Valley Fire Station	5215	5219	5220				8/3/05
	WNV	RIVERSIDE	CA	RIVR0008	Murrieta	Auld Rd	5245	5246	5252	5267	5270		8/3/05

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

	WNV	TULARE	CA	TLRE0012	Tulare	TMAD	0536	0538	0542						8/3/05
****	WNV	RIVERSIDE	CA	RIVR0006	Blythe	4th Avenue	5261								8/4/05
****	WEE	KERN	CA	DLNO0060	Delano	Delano	5482								7/28/05
****	WEE	RIVERSIDE	CA	COAV0122	Mecca	Gordon	8910	8970	8973	8976	8977				8/1/05
****	WEE	RIVERSIDE	CA	COAV0131	Oasis	Jessup	8563								8/1/05
****	WEE	RIVERSIDE	CA	COAV0200	Mecca	Mecca	8986								8/1/05
	Flav. +	LOS ANGELES	CA	GRLA2056	Long Beach	El Dorado Park	7266								7/5/05
	Flav. +	RIVERSIDE	CA	COAV0114	North Shore	Desert	8452								7/5/05
	Flav. +	BUTTE	CA	BUCO0003	Palermo	Beach Ranch	5427								7/13/05
	Flav. +	SUTTER	CA	SUYA0014	Sutter	Dean	0470								7/14/05
	Flav. +	SUTTER	CA	SUYA0031	Rio Oso	Barker	0494								7/14/05
	Flav. +	LOS ANGELES	CA	GRLA2056	Long Beach	El Dorado Park	7262	7264	7267						7/18/05
	Flav. +	RIVERSIDE	CA	COAV0035	Mecca	Adohr	8863								7/18/05
	Flav. +	RIVERSIDE	CA	COAV0208	Niland	Mesquite	0763								7/18/05
	Flav. +	SAN BERNARDINO	CA	SANB0003	Colton	Agua Mansa Flood Control	5025								7/18/05
	Flav. +	SAN BERNARDINO	CA	SANB0006	Yucaipa	Yucaipa Regional Park	5042	5045	5047						7/18/05
	Flav. +	SAN BERNARDINO	CA	WVAL0009	Rancho Cucamonga	Gerry	5719								7/18/05
	Flav. +	RIVERSIDE	CA	NWST0004	Rubidoux	Rancho Jurupa	6200								7/19/05
	Flav. +	SAN BERNARDINO	CA	SANB0002	Redlands	Treatment Plant	5013	5016	5020						7/19/05
	Flav. +	RIVERSIDE	CA	RIVR0008	Murrieta	Auld Rd	5269								7/20/05
	Flav. +	SOLANO	CA	SOLA0010	Vacaville	Hanson Ranch	0409	0410	0411	0412	0415				7/23/05
	Flav. +	SOLANO	CA	SOLA0125	Cordelia	F. R. Smith Equipement Co.	0426								7/23/05
	Flav. +	SOLANO	CA	SOLA0224	Collinsville	Jean Anderson Ranch	0432								7/23/05
	Flav. +	CONTRA COSTA	CA	CNTR2302	Martinez	Rhone Poulenc	4520								7/25/05
	Flav. +	FRESNO	CA	CNSL5006	Sanger	R. Vargas	0049								7/25/05
	Flav. +	KERN	CA	KERN0102	Buttonwillow	Tracy RNCH	4315	4316	4317	4320					7/25/05
	Flav. +	KERN	CA	KERN0104	Bakersfield	Old River	4325								7/25/05
	Flav. +	NAPA	CA	NAPA2802	Napa	Cabral's Dairy	6109								7/25/05
	Flav. +	STANISLAUS	CA	TRLK0403	Newman/Hillsferry	Thomas	0615								7/25/05
	Flav. +	BUTTE	CA	BUCO0001	Chico	Elmer Street	5409								7/26/05
	Flav. +	BUTTE	CA	BUCO0007	Chico	M&T Ranch	5469	5477							7/26/05



# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

****	Flav	IMPERIAL	CA	IMPR0002	Seeley	Campbell's Site	5841	5842	5844			8/3/05
****	Flav	IMPERIAL	CA	IMPR0003	El Centro	Nichol's Flock	5828					8/3/05
****	Flav	IMPERIAL	CA	IMPR0016	Holtville	Zenos's Site	5857	5863				8/3/05
	Flav	TULARE	CA	TLRE0011	Alpaugh	TMAD	0555					8/3/05
****	Flav	ORANGE	CA	ORCO0006	Irvine	San Joaquin WS	7458					8/4/05

Virus	County	State	Acode	City	Location
Flav. + <b>Band:</b> 0834, 0837	Placer	CA	PLCR0025	Lincoln	Lincoln <b>Probable Seroconversion Date:</b> 8-Aug-05
Flav. + <b>Band:</b> 0840	Placer	CA	PLCR0027	Loomis	Loomis <b>Probable Seroconversion Date:</b> 8-Aug-05
Flav. + <b>Band:</b> 0844, 0845, 0847, 0848, 0849	Placer	CA	PLCR0026	Sheridan	Sheridan <b>Probable Seroconversion Date:</b> 8-Aug-05
Flav. + <b>Band:</b> 0860, 0861	Placer	CA	PLCR0128	Roseville	Roseville <b>Probable Seroconversion Date:</b> 8-Aug-05
Flav. + <b>Band:</b> 6001, 6002, spare (replace 6007), 6010	Sacramento	CA	SAYO7004	Natomas	Natomas <b>Probable Seroconversion Date:</b> 9- Aug-05
Flav. + <b>Band:</b> 6026, 6028, 6029, 6030	Sacramento	CA	SAYO7000	Elk Grove	Elk Grove <b>Probable Seroconversion Date:</b> 9- Aug-05
Flav. + <b>Band:</b> 6034, 6040	Sacramento	CA	SAYO7002	Hood	Hood <b>Probable Seroconversion Date:</b> 9- Aug-05
Flav. + <b>Band:</b> 6050	Sacramento	CA	SAYO7001	Galt	Galt <b>Probable Seroconversion Date:</b> 9- Aug-05
Flav. + <b>Band:</b> 6063, 6064, 6065, 6067, 6070	Yolo	CA	SAYO6002	Merritt	Merritt <b>Probable Seroconversion Date:</b> 9- Aug-05
Flav. + <b>Band:</b> 6077	Yolo	CA	SAYO6003	Winters	Winters <b>Probable Seroconversion Date:</b> 9- Aug-05
Flav. + <b>Band:</b> 6081	Yolo	CA	SAYO6001	Knights Landing	Knights Landing <b>Probable Seroconversion Date:</b> 9- Aug-05
Flav. + <b>Band:</b> 6093	Yolo	CA	SAYO6000	Dunnigan	Dunnigan <b>Probable Seroconversion Date:</b> 9- Aug-05

### WNV Positive Dead Birds Reported (August 8-12)

Species	County	City	Zip Code	Date Collected	Date Tested	Tested By
Acorn Woodpecker	El Dorado	Rescue	95672	8/1/05	8/8/05	RT-PCR
Acorn Woodpecker	Tulare	Visalia	93277	7/27/05	8/8/05	RT-PCR
American Crow	Butte	Chico	95926	8/2/05	8/8/05	RT-PCR
American Crow	Fresno	Selma	93662	8/2/05	8/8/05	RT-PCR

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

American Crow	Fresno	Fresno	93720	7/28/05	8/8/05	RT-PCR
American Crow	Fresno	Selma	93720	8/3/05	8/3/05	RAMP
American Crow	Fresno	Fresno	93722	7/28/05	7/28/05	RAMP
American Crow	Inyo	Bishop	93514	8/1/05	8/8/05	RT-PCR
American Crow	Kern	Delano	93215	7/26/05	8/8/05	RT-PCR
American Crow	Kern	Bakersfield	93305	8/1/05	8/8/05	RT-PCR
American Crow	Los Angeles	Santa Clarita	91390	8/2/05	8/8/05	RT-PCR
American Crow	Los Angeles	Santa Clarita	91355	8/1/05	8/1/05	VecTest
American Crow	Los Angeles	Santa Clarita	91350	8/4/05	8/4/05	VecTest
American Crow	Los Angeles	Canyon County	91351	8/8/05	8/8/05	VecTest
American Crow	Los Angeles	Canyon Country	91351	8/8/05	8/8/05	VecTest
American Crow	Madera	Madera	93637	7/26/05	8/8/05	RT-PCR
American Crow	Madera	Madera	93638	7/27/05	8/8/05	RT-PCR
American Crow	Merced	Merced	95340	7/26/05	8/8/05	RT-PCR
American Crow	Orange	Villa Park	92861	8/3/05	8/3/05	IHC
American Crow	Placer	Granite Bay	95746	7/31/05	7/31/05	VecTest
American Crow	Placer	Newcastle	95658	7/31/05	7/31/05	VecTest
American Crow	Placer	Granite Bay	95746	8/2/05	8/2/05	VecTest
American Crow	Placer	Granite Bay	95746	8/4/05	8/4/05	VecTest
American Crow	Riverside	Hemet	92543	7/26/05	8/8/05	RT-PCR
American Crow	Riverside	Calimesa	92320	7/25/05	8/8/05	RT-PCR
American Crow	Riverside	Hemet	92543	7/28/05	8/8/05	RT-PCR
American Crow	Riverside	Hemet	92545	8/1/05	8/8/05	RT-PCR
American Crow	Riverside	Sun City	92586	7/28/05	8/8/05	RT-PCR
American Crow	Riverside	Hemet	92545	7/28/05	8/8/05	RT-PCR
American Crow	Riverside	Beaumont	92223	7/28/05	8/8/05	RT-PCR
American Crow	Riverside	Hemet	92543	7/27/05	8/8/05	RT-PCR
American Crow	Riverside	Riverside	92508	8/1/05	8/8/05	RT-PCR
American Crow	Riverside	Moreno Valley	92555	8/1/05	8/8/05	RT-PCR
American Crow	Riverside	Murrieta	92562	8/2/05	8/8/05	RT-PCR
American Crow	Riverside	Hemet	92545	8/2/05	8/8/05	RT-PCR
American Crow	Riverside	Murrieta	92562	8/2/05	8/8/05	RT-PCR
American Crow	Riverside	Moreno Valley	92555	8/1/05	8/8/05	RT-PCR
American Crow	Sacramento	Sacramento	95822	8/2/05	8/8/05	RT-PCR
American Crow	Sacramento	Sacramento	95818	7/27/05	8/8/05	RT-PCR
American Crow	San Bernardino	Redlands	92373	7/29/05	7/29/05	VecTest
American Crow	San Bernardino	Ontario	91764	8/4/05	8/4/05	RAMP
American Crow	San Joaquin	Stockton	95205	7/27/05	7/27/05	RAMP
American Crow	San Joaquin	Stockton	95210	7/28/05	7/28/05	RAMP
American Crow	Santa Barbara	Goleta	93117	7/27/05	8/8/05	RT-PCR
American Crow	Santa Barbara	Goleta	93111	7/28/05	8/8/05	RT-PCR
American Crow	Santa Barbara	Santa Barbara	93109	7/29/05	8/8/05	RT-PCR
American Crow	Santa Barbara	Goleta	93117	8/2/05	8/8/05	RT-PCR
American Crow	Santa Clara	San Jose	95119	7/25/05	7/25/05	VecTest
American Crow	Santa Clara	San Jose	95136	8/1/05	8/1/05	VecTest

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

American Crow	Santa Clara	San Jose	95119	8/1/05	8/1/05	VecTest
American Crow	Santa Clara	San Jose	95123	7/27/05	7/29/05	RT-PCR
American Crow	Solano	Fairfield	94533	7/30/05	7/30/05	RAMP
American Crow	Solano	Fairfield	94534	8/2/05	8/2/05	RAMP
American Crow	Solano	Fairfield	94534	8/2/05	8/2/05	RAMP
American Crow	Stanislaus	Modesto	95356	7/26/05	8/8/05	RT-PCR
American Crow	Stanislaus	Modesto	95355	8/1/05	8/8/05	RT-PCR
American Crow	Stanislaus	Turlock	95380	7/29/05	7/29/05	VecTest
American Crow	Stanislaus	Turlock	95380	8/2/05	8/2/05	VecTest
American Crow	Tehama	Red Bluff	96080	7/27/05	8/8/05	RT-PCR
American Crow	Tehama	Red Bluff	96080	7/29/05	8/8/05	RT-PCR
American Crow	Tulare	Kingsburg	93631	7/27/05	8/8/05	RT-PCR
American Crow	Tulare	Visalia	93291	7/28/05	8/8/05	RT-PCR
American Crow	Tulare	Visalia	93277	7/28/05	8/8/05	RT-PCR
American Crow	Tulare	Goshen	93227	8/1/05	8/8/05	RT-PCR
American Crow	Ventura	Camarillo	93010	7/27/05	8/8/05	RT-PCR
American Crow	Ventura	Simi Valley	93063	7/29/05	8/8/05	RT-PCR
American Crow	Ventura	Thousand Oaks	91362	8/1/05	8/8/05	RT-PCR
American Crow	Ventura	Simi Valley	93063	7/29/05	8/8/05	RT-PCR
American Crow	Yolo	Davis	95616	8/2/05	8/8/05	RT-PCR
American Crow	Yolo	Davis	95616	8/3/05	8/8/05	RT-PCR
American Crow	Yuba	Beale AFB	95903	8/3/05	8/3/05	VecTest
American Kestrel	Contra Costa	Oakley	94561	7/26/05	8/8/05	RT-PCR
American Kestrel	Fresno	Sagner	93657	7/26/05	8/8/05	RT-PCR
American Kestrel	Kern	Edwards	93524	7/27/05	8/8/05	RT-PCR
American Robin	Butte	Chico	95926	7/27/05	8/8/05	RT-PCR
American Robin	Shasta	Burney	96013	7/27/05	8/8/05	RT-PCR
American Robin	Sonoma	Sonoma	95476	7/25/05	8/8/05	RT-PCR
American Robin	Tulare	Visalia	93292	8/1/05	8/8/05	RT-PCR
American Robin	Tuolumne	Groveland	95321	7/25/05	8/8/05	RT-PCR
Anna's Hummingbird	Amador	Jackson	95642	7/25/05	8/8/05	RT-PCR
Black-crowned Night Heron	Yolo	Davis	95616	8/3/05	8/8/05	RT-PCR
Cooper's Hawk	Riverside	Hemet	92544	7/27/05	8/8/05	RT-PCR
Great Horned Owl	San Diego	San Diego	92131	7/27/05	8/8/05	RT-PCR
Green Heron	Santa Clara	Palo Alto	94108-	8/1/05	8/8/05	RT-PCR
House Finch	Contra Costa	Lafayette	94549	7/25/05	8/8/05	RT-PCR
House Finch	El Dorado	Shingle Springs	95682	7/20/05	8/8/05	RT-PCR
House Finch	Kern	Bakersfield	93308	8/1/05	8/8/05	RT-PCR
House Finch	Los Angeles	La Mirada	90638	7/15/05	8/8/05	RT-PCR
House Finch	Placer	Lincoln	95648	8/1/05	8/8/05	RT-PCR
House Finch	Riverside	Riverside	92506	8/3/05	8/8/05	RT-PCR
House Finch	Riverside	Calimesa	92320	7/28/05	8/8/05	RT-PCR
House Finch	Sacramento	Elk Grove	95758	8/1/05	8/8/05	RT-PCR
House Finch	Sacramento	Elk Grove	95757	8/1/05	8/8/05	RT-PCR
House Finch	Santa Barbara	Goleta	93117	7/29/05	8/8/05	RT-PCR

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

House Finch	Tulare	Kingsburg	93631	7/27/05	8/8/05	RT-PCR
House Finch	Tulare	Dinuba	93618	8/1/05	8/8/05	RT-PCR
House Sparrow	Butte	Oroville	95965	7/28/05	8/8/05	RT-PCR
House Sparrow	Fresno	Selma	93662	8/1/05	8/8/05	RT-PCR
House Sparrow	Los Angeles	Calabasas	91302	8/2/05	8/8/05	RT-PCR
House Sparrow	Orange	Huntington Beach	92647	8/3/05	8/3/05	IHC
House Sparrow	Placer	Roseville	95747	7/28/05	8/8/05	RT-PCR
House Sparrow	Stanislaus	Modesto	95355	8/1/05	8/8/05	RT-PCR
House Wren	Stanislaus	Ceres	95307	8/1/05	8/8/05	RT-PCR
Mourning Dove	Fresno	Fresno	93720	8/1/05	8/8/05	RT-PCR
Northern Mockingbird	Tulare	Visalia	93292	7/27/05	8/8/05	RT-PCR
Rock Dove	Los Angeles	San Pedro	90731	7/28/05	8/8/05	RT-PCR
Sparrow	Tulare	Dinuba	93618	7/28/05	8/8/05	RT-PCR
Unknown	Merced	Atwater	95301	7/28/05	8/8/05	RT-PCR
Unknown	Merced	Atwater	95301	8/2/05	8/8/05	RT-PCR
Unknown	Placer	Penryn	95663	8/2/05	8/2/05	VecTest
Unknown	Solano	Vacaville	95688	7/28/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Oroville	95966	7/26/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95973	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95928	7/26/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Gridley	95948	7/28/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Gridley	95948	7/28/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Oroville	95966	7/29/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95928	7/28/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Oroville	95966	7/29/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95973	7/29/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95928	8/1/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Oroville	95966	8/1/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95973	8/1/05	8/8/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95973	8/2/05	8/8/05	RT-PCR
Western Scrub-Jay	Contra Costa	Brentwood	94513	8/4/05	8/4/05	RAMP
Western Scrub-Jay	Contra Costa	Walnut Creek	94598	8/4/05	8/4/05	RAMP
Western Scrub-Jay	El Dorado	Cool	95614	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	El Dorado	Garden Valley	95633	7/26/05	8/8/05	RT-PCR
Western Scrub-Jay	Fresno	Sanger	93657	7/25/05	8/8/05	RT-PCR
Western Scrub-Jay	Fresno	Fresno	93711	7/25/05	8/8/05	RT-PCR
Western Scrub-Jay	Fresno	Sanger	93657	7/25/05	8/8/05	RT-PCR
Western Scrub-Jay	Fresno	Sanger	93657	7/25/05	8/8/05	RT-PCR
Western Scrub-Jay	Fresno	Fresno	93711	7/25/05	8/8/05	RT-PCR
Western Scrub-Jay	Fresno	Clovis	93611	7/21/05	8/8/05	RT-PCR
Western Scrub-Jay	Fresno	Prather	93651	7/28/05	7/28/05	RAMP
Western Scrub-Jay	Fresno	Sanger	93657	7/28/05	7/28/05	RAMP
Western Scrub-Jay	Fresno	Fowler	93625	7/29/05	7/29/05	RAMP
Western Scrub-Jay	Fresno	Fresno	93722	7/27/05	7/27/05	RAMP
Western Scrub-Jay	Glenn	Willows	95988	7/27/05	8/8/05	RT-PCR

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

Western Scrub-Jay	Kern	Bakersfield	93314	7/28/05	8/8/05	RT-PCR
Western Scrub-Jay	Lake	Clearlake	95422	7/28/05	8/8/05	RT-PCR
Western Scrub-Jay	Los Angeles	Castaic	91384	7/29/05	8/8/05	RT-PCR
Western Scrub-Jay	Marin	Corte Madera	94925	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Marin	San Rafael	94901	8/3/05	8/3/05	RAMP
Western Scrub-Jay	Mariposa	Mariposa	95338	8/2/05	8/8/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95340	7/26/05	8/8/05	RT-PCR
Western Scrub-Jay	Merced	Atwater	95301	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95340	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Placer	Roseville	95678	7/28/05	8/8/05	RT-PCR
Western Scrub-Jay	Placer	Roseville	95678	7/20/05	8/8/05	RT-PCR
Western Scrub-Jay	Riverside	Hemet	92543	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Sacramento	Elk Grove	95624	7/28/05	8/8/05	RT-PCR
Western Scrub-Jay	Sacramento	Elk Grove	95624	7/31/05	8/8/05	RT-PCR
Western Scrub-Jay	San Benito	San Juan Bautista	95045	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	San Bernardino	Hesperia	92345	8/2/05	8/8/05	RT-PCR
Western Scrub-Jay	San Diego	San Diego	92105	8/8/05	8/8/05	VecTest
Western Scrub-Jay	San Diego	San Diego	92105	8/1/05	8/1/05	VecTest
Western Scrub-Jay	San Joaquin	Tracy	95376	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	San Joaquin	Stockton	95215	8/1/05	8/8/05	RT-PCR
Western Scrub-Jay	San Joaquin	Manteca	95337	7/25/05	7/25/05	RAMP
Western Scrub-Jay	San Joaquin	Lodi	95240	7/25/05	7/25/05	RAMP
Western Scrub-Jay	San Joaquin	Thornton	95686	7/28/05	7/28/05	RAMP
Western Scrub-Jay	San Joaquin	Stockton	95215	8/1/05	8/1/05	RAMP
Western Scrub-Jay	San Joaquin	Thornton	95376	7/28/05	7/28/05	RAMP
Western Scrub-Jay	Santa Barbara	Santa Barbara	93101	8/2/05	8/8/05	RT-PCR
Western Scrub-Jay	Santa Clara	San Jose	95123	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Santa Clara	San Jose	95123	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Solano	Vacaville	95688	7/28/05	8/8/05	RT-PCR
Western Scrub-Jay	Solano	Vacaville	95687	8/1/05	8/8/05	RT-PCR
Western Scrub-Jay	Stanislaus	Ceres	95382	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Stanislaus	Ceres	95382	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Stanislaus	Oakdale	95361	7/31/05	8/8/05	RT-PCR
Western Scrub-Jay	Stanislaus	Riverbank	95367	8/1/05	8/8/05	RT-PCR
Western Scrub-Jay	Stanislaus	Turlock	95382	7/28/05	8/8/05	RT-PCR
Western Scrub-Jay	Stanislaus	Turlock	95380	8/2/05	8/2/05	VecTest
Western Scrub-Jay	Sutter	Live Oak	95953	8/1/05	8/8/05	RT-PCR
Western Scrub-Jay	Tehama	Corning	96021	7/29/05	8/8/05	RT-PCR
Western Scrub-Jay	Tehama	Red Bluff	96080	8/1/05	8/8/05	RT-PCR
Western Scrub-Jay	Tehama	Red Bluff	96080	8/2/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Orosi	93647	7/26/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Exeter	93221	7/26/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93292	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93292	7/26/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93292	7/27/05	8/8/05	RT-PCR



# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

Western Scrub-Jay	Tulare	Visalia	93292	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93292	7/27/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Tulare	93274	7/28/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Tulare	93274	8/1/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93291	7/29/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Dinuba	93618	7/29/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Tulare	93274	8/1/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Tulare	93274	8/2/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93291	8/2/05	8/8/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93292	7/29/05	8/8/05	RT-PCR
Western Scrub-Jay	Ventura	Simi Valley	93065	8/2/05	8/8/05	RT-PCR
Yellow-billed Magpie	Amador	Plymouth	95669	7/27/05	8/8/05	RT-PCR
Yellow-billed Magpie	Butte	Chico	95928	7/27/05	8/8/05	RT-PCR
Yellow-billed Magpie	Butte	Durham	95938	7/28/05	8/8/05	RT-PCR
Yellow-billed Magpie	Butte	Chico	95928	7/28/05	8/8/05	RT-PCR
Yellow-billed Magpie	Colusa	Colusa	95932	7/26/05	8/8/05	RT-PCR
Yellow-billed Magpie	Fresno	Dos Palos	93620	8/1/05	8/1/05	RAMP
Yellow-billed Magpie	Fresno	Dos Palos	93620	8/1/05	8/1/05	RAMP
Yellow-billed Magpie	Glenn	Orland	95963	7/28/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Atwater	95301	7/27/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95340	7/26/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	7/28/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Delhi	95315	7/28/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Delhi	95315	7/26/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Los Banos	93635	8/1/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Winton	95388	7/28/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	7/29/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Los Banos	93635	7/28/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	8/1/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	8/2/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	8/1/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	8/2/05	8/8/05	RT-PCR
Yellow-billed Magpie	Merced	Atwater	95301	8/1/05	8/8/05	RT-PCR
Yellow-billed Magpie	Sacramento	Sacramento	95825	7/27/05	8/8/05	RT-PCR
Yellow-billed Magpie	Sacramento	Sacramento	95822	8/1/05	8/8/05	RT-PCR
Yellow-billed Magpie	San Joaquin	Acampo	95220	7/27/05	7/27/05	RAMP
Yellow-billed Magpie	Solano	Vacaville	95687	7/26/05	8/8/05	RT-PCR
Yellow-billed Magpie	Solano	Fairfield	94533	7/29/05	8/8/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	8/2/05	8/8/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Hughson	95326	7/27/05	8/8/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Oakdale	95361	7/27/05	8/8/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	7/29/05	8/8/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Oakdale	95361	8/1/05	8/8/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	7/29/05	8/8/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Denair	95316	7/28/05	8/8/05	RT-PCR

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

Yellow-billed Magpie	Stanislaus	Modesto	95358	7/29/05	8/8/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Ceres	95307	8/1/05	8/8/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95356	8/2/05	8/8/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Riverbank	95367	8/2/05	8/8/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95382	8/3/05	8/3/05	VecTest
Yellow-billed Magpie	Stanislaus	Hughson	95326	8/5/05	8/5/05	VecTest
Yellow-billed Magpie	Sutter	Live Oak	95953	7/29/05	8/8/05	RT-PCR
Yellow-billed Magpie	Sutter	Meridian	95957	7/27/05	8/8/05	RT-PCR
Yellow-billed Magpie	Tehama	Proberta	96078	8/1/05	8/8/05	RT-PCR
Yellow-billed Magpie	Tehama	Red Bluff	96080	7/29/05	8/8/05	RT-PCR
Yellow-billed Magpie	Yolo	Davis	95616	8/2/05	8/8/05	RT-PCR
Yellow-billed Magpie	Yolo	Davis	95616	7/29/05	8/8/05	RT-PCR

## National Comments:

As of August 9, 2005, West Nile virus (WNV) activity has been detected in 40 states and New York City. At this time in 2004, a total of 41 states, Puerto Rico, and New York City had published WNV activity. A total of 187 human WNV cases have been reported in 2005 from 22 states and New York City. At this time in 2004, 495 cases had been reported from 24 states and New York City. In 2005, of the 171 cases with available data, the median age is 47 years (range: 4-85 years) and 98 (75%) of the cases are male. Fifty-seven (33%) of the cases are neuroinvasive. There have been three reported WNV-related fatalities.

## TEST PROTOCOLS

### **Dead Birds:**

All bird species, except chickens, doves, and pigeons, from all zip codes are currently being accepted for testing unless otherwise requested by a local agency. Positive RAMP and Vec-Tests from oral swabs from corvids are no longer confirmed. Other bird species are tested by singleplex RT-PCR and confirmed with a second primer set.

Dead birds are necropsied at the California Animal Health and Food Safety (CAHFS) Laboratories and kidney tissue from the dead birds are forward to the UC Davis Center for Vectorborne Diseases (CVEC) for WNV using the PCR Taqman assay. 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) 412-6254.

### **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), on specimens from sentinel chickens from geographic areas

# California Arbovirus Surveillance Bulletin # 26

Week 32 Friday, August 12, 2005

where WNV is detected for the first time. The VRDL also forwards selected serum to 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.

---

*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) 412-6252, FAX (510) 412-6263, or email [ahom@dhs.ca.gov].*