

# California Arbovirus Surveillance Bulletin # 19

Week 34 Friday, August 27, 2004

## Weekly Summary

### California Weekly Summary Comments:

#### **Humans:**

This week, California reported ninety-four new humans infected with West Nile virus (WNV). As of August 27, 2004, a total of 343 WNV infections have been reported from the following counties: San Bernardino (119), Los Angeles (124), Riverside (63), Orange (19), Imperial (1), Kern (7), Fresno (3), Tulare (1), Ventura (1), Butte (1), Lassen (1), Merced (1), and Yolo (1). San Diego County reported its first human WNV case this week. Twenty of the 343 WNV infections were initially detected in asymptomatic individuals through screening done at blood banks – four of these individuals later became symptomatic. Of the 327 WNV cases with symptoms, 124 are classified as West Nile fever cases, 121 are classified as West Nile neuroinvasive disease, and 82 are of unknown status. The median age for all cases where data was available is 51.5 years (range: 2-91 years). Median age for West Nile fever cases is 47 years (range 9-82 years). Median age for West Nile neuroinvasive disease cases is 58.5 years (range: 5-91 years). Sixty-three per cent (205/326) of cases are male. There have been ten fatalities to date in California in Orange (1), Riverside (1), San Bernardino (4), and Los Angeles (4) counties.

#### **Equine:**

The California Department of Food & Agriculture confirmed 36 WNV equine cases from Alpine (1), Butte (3), Colusa (1), Fresno (1), Glenn (2), Inyo (1), Kern (4), Los Angeles (1), Placer (1), Riverside (5), Sacramento (4), San Bernardino (3), Shasta (1), Sutter (2), Tehama (5), and Tulare (1) counties. These are the first WNV positive horse results from the counties of Inyo, Placer, Sutter, and Tulare. Currently, the YTD total stands at 158 positive cases. Eighty-two horses have died or euthanatized from the WNV infection.

#### **Dead Birds:**

The hotline received 6,075 reported dead birds last week (YTD = 64,977). The UC Davis Center for Vectorborne Diseases (CVEC) reported 279 out of 358 dead birds submitted in the past week have tested positive for WNV by RT-PCR: 1 Acorn woodpecker, 115 American crows, 1 American kestrel, 2 American robins, 1 bank swallow, 1 barn owl, 2 black-headed grosbeaks, 1 black-shouldered kite, 1 California quail, 1 California towhee, 1 common nighthawk, 3 common ravens, 1 Cooper's hawk, 1 domestic goose, 1 evening grosbeak, 2 finches, 1 jay (unspecified), 1 mallard duck, 1 red-shouldered hawk, 2 red-tailed hawks, 1 rock dove, 1 sharp-shinned hawk, 1 song sparrow, 9 Steller's jays, 1 western screech owl, 84 western scrub jays, 2 western tanager, and 40 yellow-billed magpies. The bank swallow, black shouldered kite, California quail, common nighthawk, domestic goose, evening grosbeak, rock dove, sharp-shinned hawk, song sparrow, and western screech owl were the first of their species tested positive for WNV this year. The YTD stands at 1,726 positive bird carcasses.

The positive birds were collected within the 35 counties of Alameda (2), Butte (25), Calaveras (1), El Dorado (2), Fresno (19), Glenn (17), Imperial (1), Kern (12), Lake (1), Lassen (2), Los Angeles (56), Madera (1), Marin (1), Mendocino (1), Napa (1), Nevada (2), Orange (22), Placer (2), Plumas (2), Riverside (3), Sacramento (10), San Diego (2), San Joaquin (7), San Mateo (4), Santa Clara (5), Shasta (21), Sierra (2), Siskiyou (4), Solano (1), Sonoma (3), Stanislaus (8), Sutter (1), Tehama (32), Trinity (2), and Tulare (4). **These are the first WNV positive dead bird results from the counties of Imperial, Madera, Napa, Nevada, Siskiyou, and Trinity.**

A cumulative total of 353 dead birds were tested from 37 or the 46 WNV positive counties. Thus 79% (279/353) of the birds tested from these counties were WNV positive. Five dead birds from five other counties in CA tested negative this week.

#### **News Flash:**

CVEC reported Wednesday that 197 of 253 dead birds have tested positive for WNV. The positive birds were collected within the 38 counties of Alameda (1), Alpine (1), Amador (1), Butte (10), Colusa (4), Contra Costa (2), el Dorado (5), Fresno (10), Glenn (14), Kern (4), Kings (1), Lake (4), Lassen (1), Los Angeles (23), Marin (4), Mendocino (1), Monterey (2), Nevada (1), Orange (12), Placer (2), Plumas (5), Riverside (1), Sacramento (12), San Joaquin (3), San Luis Obispo (2), Santa Clara (8), Shasta (23), Siskiyou (5), Solano (2), Sonoma (3), Stanislaus (2), Sutter (3), Tehama (14), Tulare (2), Tuolumne (4), Yolo (3), and Yuba (1). **These were the first WNV positive dead bird results from the counties of Alpine, Amador, Colusa, Modoc, Monterey, and Tuolumne.**

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## Mosquito Pools:

CVEC reported 69 WNV positive pools from Los Angeles (31), Orange (12), Kern (20), Riverside (2), and Sacramento (4) counties. To date, the YTD total stands at 684 positive pools.

## Chickens:

Fifty WNV chicken seroconversions were detected in 12 flocks from Glen (1), Imperial (1), Kern (1), Los Angeles (2), Riverside (4) and San Bernardino (3) counties. Of the 50 seroconversions, 18 positives came from seven new flocks in Imperial (1), Los Angeles (2), and Riverside (4) counties. The current YTD total stands at 313 WNV 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.

## TESTING SUMMARIES

### Humans and Equines

		Number Tested	WNV Positive		WEE Positive		SLE Positive		Other Positive	
			Imported	Local	Imported	Local	Imported	Local	Imported	Local
Individuals Tested	Week	148	0	94	0	0	0	0	0	0
	YTD	976	0	343	0	0	0	0	0	0
Suspect Equine Cases	Week	106	0	36	0	0	0	0	0	0
	YTD	573	0	158	0	0	0	0	0	0

### Dead Birds

	Number Tested	WNV Positive
Week	358	279
YTD	3153	1,726

### Sentinel Chickens and Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive	Other Positive
Chicken sera	Week	1403*	50	0	0	0
	YTD	21,368	313	0	0	0
Mosquito pools	Week	506	69	0	0	0
	YTD	8315	684	0	0	0

\*This total has been adjusted to include local agency submissions

### Human Positives Reported:

### POSITIVES

Virus	Date of Onset	Status	Diagnosis	County	Imported/Local	From
WNV	08/09/04	Probable	West Nile Neuroinvasive Disease	Los Angeles	Local	
WNV	Unknown	Probable	Unknown	Los Angeles	Local	
WNV	8/10/04	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 Neuroinvasive Disease	Orange	Local	
WNV	Unknown	Probable	West Nile Neuroinvasive Disease	Orange	Local	
WNV	8/07/04	Probable	West Nile Neuroinvasive Disease	Los Angeles	Local	
WNV	Unknown	Probable	West Nile Neuroinvasive Disease	Los Angeles	Local	
WNV	8/03/04	Probable	West Nile Fever	Los Angeles	Local	
WNV	7/09/04	Probable	West Nile Fever	Los Angeles	Local	
WNV	7/29/04	Probable	West Nile Neuroinvasive Disease	Los Angeles	Local	
WNV	7/29/04	Probable	West Nile Neuroinvasive Disease	Los Angeles	Local	
WNV	8/06/04	Probable	Unknown	Los Angeles	Local	
WNV	8/10/04	Probable	West Nile Fever	Los Angeles	Local	
WNV	7/30/04	Probable	West Nile Neuroinvasive Disease	Los Angeles	Local	
WNV	8/08/04	Probable	West Nile Fever	Los Angeles	Local	
WNV	8/14/04	Probable	West Nile Neuroinvasive Disease	Los Angeles	Local	
WNV	8/17/04	Probable	West Nile Neuroinvasive Disease	Los Angeles	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	8/06/04	Probable	West Nile Neuroinvasive Disease	Los Angeles	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	Riverside	Local	
WNV	Unknown	Probable	Unknown	Riverside	Local	
WNV	Unknown	Probable	Unknown	Riverside	Local	
WNV	Unknown	Probable	Unknown	Orange	Local	
WNV	Unknown	Probable	Unknown	Orange	Local	
WNV	8/04/04	Probable	West Nile Fever	Kern	Local	

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Virus	Date of Onset	Status	Diagnosis	County	Imported/Local	From
WNV	7/27/04	Probable	West Nile Fever	Kern	Local	
WNV	Unknown	Probable	West Nile Fever	Riverside	Local	
WNV	8/13/04	Probable	West Nile Fever	Riverside	Local	
WNV	8/18/04	Probable	West Nile Fever	Riverside	Local	
WNV	Unknown	Probable	West Nile Fever	Riverside	Local	
WNV	Unknown	Probable	Unknown	Riverside	Local	
WNV	Unknown	Probable	Unknown	Riverside	Local	
WNV	Unknown	Probable	Unknown	Riverside	Local	
WNV	Unknown	Probable	Unknown	Riverside	Local	
WNV	8/20/04	Probable	West Nile Fever	Los Angeles	Local	
WNV	8/19/04	Probable	West Nile Neuroinvasive Disease	Los Angeles	Local	
WNV	8/13/04	Probable	West Nile Fever	Los Angeles	Local	
WNV	8/07/04	Probable	West Nile Neuroinvasive Disease	Los Angeles	Local	
WNV	8/16/04	Probable	West Nile Fever	Los Angeles	Local	
WNV	Unknown	Probable	West Nile Fever	Los Angeles	Local	
WNV	Unknown	Probable	West Nile Neuroinvasive Disease	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	Unknown	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	Unknown	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	Unknown	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	8/7/04	Probable	West Nile Fever	Los Angeles	Local	
WNV	Unknown	Probable	Unknown	Los Angeles	Local	
WNV	Unknown	Probable	Unknown	Los Angeles	Local	
WNV	8/15/04	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 Neuroinvasive Disease	Orange	Local	
WNV	8/13/04	Probable	West Nile Neuroinvasive Disease	Orange	Local	
WNV	7/16/04	Probable	West Nile Fever	Orange	Local	
WNV	Unknown	Probable	West Nile Fever	Orange	Local	
WNV	Unknown	Probable	West Nile Neuroinvasive Disease	Orange	Local	
WNV	7/30/04	Probable	West Nile Neuroinvasive Disease	Orange	Local	
WNV	7/31/04	Probable	West Nile Fever	Riverside	Local	
WNV	8/04/04	Probable	West Nile Neuroinvasive Disease	Kern	Local	
WNV	Unknown	Probable	West Nile Neuroinvasive Disease	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	7/29/04	Probable	West Nile Fever	San Bernardino	Local	
WNV	Unknown	Probable	West Nile Neuroinvasive Disease	San Bernardino	Local	
WNV	Unknown	Probable	West Nile Fever**	San Bernardino	Local	
WNV	7/21/04	Probable	West Nile Fever**	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	Unknown	Probable	West Nile Neuroinvasive Disease	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	Unknown	Probable	West Nile Fever	San Bernardino	Local	
WNV	Unknown	Probable	West Nile Fever**	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	8/01/04	Probable	West Nile Fever	San Bernardino	Local	
WNV	8/14/04	Probable	West Nile Fever	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	8/09/04	Probable	West Nile Neuroinvasive Disease	San Bernardino	Local	
WNV	7/30/04	Probable	West Nile Fever	San Bernardino	Local	
WNV	7/24/04	Probable	West Nile Fever	San Bernardino	Local	
WNV	8/08/04	Probable	West Nile Neuroinvasive Disease	San Bernardino	Local	
WNV	8/03/04	Probable	West Nile Neuroinvasive Disease	San Bernardino	Local	
WNV	8/21/04	Probable	West Nile Neuroinvasive Disease	San Diego	Local	
WNV	Not Applicable	Probable	Asymptomatic – Blood Bank	Fresno	Local	
WNV	Not Applicable	Probable	Asymptomatic – Blood Bank	Los Angeles	Local	
WNV	Not Applicable	Probable	Asymptomatic – Blood Bank	Pasadena	Local	
WNV	Not Applicable	Probable	Asymptomatic – Blood Bank	Los Angeles	Local	

\*Indicates fatality

\*\*Indicates initial detected by blood-bank screening; later became symptomatic

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## Chicken Seroconversions Reported by DHS:

Virus	County	State	Acode	City	Location
WNV	Glenn	CA	GLEN9710	Orland	Orland flock
<b>Bands:</b> 1838, 1840, 1845, 1846, 1847					<b>Probable Seroconversion Date:</b> 18-August-04
**** WNV	Imperial	CA	IMPR0016	Holtville	Zenos Road flock
<b>Bands:</b> 3874					<b>Probable Seroconversion Date:</b> 27-July-04
WNV	Kern	CA	KERN0111	Arvin	Blackburn residence
<b>Bands:</b> 2023, 2024, 2028, 2030, 2045, 2048					<b>Probable Seroconversion Date:</b> 16-August-04
**** WNV	Los Angeles	CA	GRLA1002	Griffith Park	Los Angeles
<b>Bands:</b> 1861					<b>Probable Seroconversion Date:</b> 28-July-04
WNV	Los Angeles	CA	GRLA1002	Griffith Park	Los Angeles
<b>Bands:</b> 1862, 1863, 1865, 1866, 1867					<b>Probable Seroconversion Date:</b> 10-August-04
**** WNV	Los Angeles	CA	LONG0002	Long Beach	Harbor Terminal
<b>Bands:</b> 1215, 1220					<b>Probable Seroconversion Date:</b> 28-July-04
WNV	Los Angeles	CA	LONG0002	Long Beach	Harbor Terminal
<b>Band:</b> 1216, 1217					<b>Probable Seroconversion Date:</b> 9-August-04
**** WNV	Riverside	CA	COAV0204	Indio	York
<b>Band:</b> 1341, 1343, 1346					<b>Probable Seroconversion Date:</b> 26-July-04
WNV	Riverside	CA	COAV0204	Indio	York
<b>Band:</b> 1349					<b>Probable Seroconversion Date:</b> 9-August-04
**** WNV	Riverside	CA	RIVR0002	Moreno Valley	San Jacinto Wildlife Area
<b>Band:</b> 2798, 2799, 2801, 2805, 2806, 2807					<b>Probable Seroconversion Date:</b> 28-July-04
WNV	Riverside	CA	RIVR0002	Moreno Valley	San Jacinto Wildlife Area
<b>Band:</b> 2802 and 2808					<b>Probable Seroconversion Date:</b> 11-August-04
**** WNV	Riverside	CA	RIVR0006	Blythe	4 <sup>th</sup> Ave
<b>Band:</b> 2832, 2838, 2840					<b>Probable Seroconversion Date:</b> 29-July-04
WNV	Riverside	CA	RIVR0006	Blythe	4 <sup>th</sup> Ave
<b>Band:</b> 2831					<b>Probable Seroconversion Date:</b> 10-August-04
WNV	Riverside	CA	RIVR0006	Blythe	4 <sup>th</sup> Ave
<b>Band:</b> 2835, 2841					<b>Probable Seroconversion Date:</b> 12-August-04
**** WNV	Riverside	CA	RIVR0016	Lake Matthews	17221 Owl Tree
<b>Band:</b> 2816, and 2818					<b>Probable Seroconversion Date:</b> 28-July-04
WNV	Riverside	CA	RIVR0016	Lake Matthews	17221 Owl Tree
<b>Band:</b> 2817 and 2819					<b>Probable Seroconversion Date:</b> 11-August-04
WNV	San Bernardino	CA	WVAL0001	Chino	8822 Kimball
<b>Band:</b> 3802					<b>Probable Seroconversion Date:</b> 16-August -04
WNV	San Bernardino	CA	WVAL0003	Chino	Pump Station
<b>Bands:</b> 3815 and 3816					<b>Probable Seroconversion Date:</b> 16-August-04
WNV	San Bernardino	CA	WVAL0006	Ontario	Hilardes
<b>Bands:</b> 3825, 3828, 3830					<b>Probable Seroconversion Date:</b> 16-August-04

\*\*\*\*Indicates a new flock

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## Virus Isolations From Mosquito Pools:

Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WNV	Culex tarsalis	12-Aug	COAV	923	Indio	Riverside	8-Aug
WNV	Culex tarsalis	10-Aug	GRLA	948	Harbor City	Los Angeles	19-Aug
WNV	Culex tarsalis	10-Aug	GRLA	949	Harbor City	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	960	Harbor City	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	966	Lakewood	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	967	Lakewood	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	968	Lakewood	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	969	Lakewood	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	970	Lakewood	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	972	Lakewood	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	974	Lakewood	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	975	Lakewood	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	976	Lakewood	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	977	Lakewood	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	978	Lakewood	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	981	Rowland Heights	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	10-Aug	GRLA	982	Rowland Heights	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	12-Aug	GRLA	987	Carson	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	12-Aug	GRLA	989	Carson	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	12-Aug	GRLA	992	Carson	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	12-Aug	GRLA	994	Paramount	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	12-Aug	GRLA	995	Paramount	Los Angeles	19-Aug
WNV	Culex quinquefasciatus	12-Aug	GRLA	996	Paramount	Los Angeles	19-Aug
WNV	Culex tarsalis	10-Aug	KERN	282	Bakersfield	Kern	18-Aug
WNV	Culex quinquefasciatus	10-Aug	KERN	284	Pumpkin Center	Kern	18-Aug
WNV	Culex quinquefasciatus	11-Aug	KERN	287	Arvin	Kern	18-Aug
WNV	Culex quinquefasciatus	11-Aug	KERN	288	Arvin	Kern	18-Aug
WNV	Culex tarsalis	11-Aug	KERN	290	Lamont	Kern	18-Aug
WNV	Culex quinquefasciatus	11-Aug	KERN	291	Lamont	Kern	18-Aug
WNV	Culex tarsalis	11-Aug	KERN	292	Arvin	Kern	18-Aug
WNV	Culex tarsalis	11-Aug	KERN	293	Arvin	Kern	18-Aug
WNV	Culex tarsalis	11-Aug	KERN	294	Arvin	Kern	18-Aug
WNV	Culex tarsalis	11-Aug	KERN	295	Arvin	Kern	18-Aug
WNV	Culex tarsalis	11-Aug	KERN	297	Arvin	Kern	18-Aug
WNV	Culex tarsalis	11-Aug	KERN	300	Arvin	Kern	18-Aug
WNV	Culex quinquefasciatus	12-Aug	KERN	301	Shafter	Kern	18-Aug
WNV	Culex quinquefasciatus	12-Aug	KERN	303	Buttonwillow	Kern	18-Aug
WNV	Culex quinquefasciatus	12-Aug	KERN	306	Bakersfield	Kern	18-Aug
WNV	Culex quinquefasciatus	12-Aug	KERN	307	Shafter	Kern	18-Aug
WNV	Culex quinquefasciatus	12-Aug	KERN	309	Shafter	Kern	18-Aug
WNV	Culex quinquefasciatus	13-Aug	KERN	316	Bakersfield	Kern	18-Aug
WNV	Culex quinquefasciatus	13-Aug	KERN	319	Bakersfield	Kern	18-Aug
WNV	Culex tarsalis	12-Aug	KERN	5373	Buttonwillow	Kern	18-Aug
WNV	Culex quinquefasciatus	9-Aug	LACW	125	Inglewood	Los Angeles	17-Aug
WNV	Culex tarsalis	10-Aug	LONG	245	Long Beach	Los Angeles	12-Aug
WNV	Culex tarsalis	10-Aug	LONG	248	Long Beach	Los Angeles	12-Aug
WNV	Culex quinquefasciatus	10-Aug	LONG	249	Long Beach	Los Angeles	12-Aug

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WNV	Culex quinquefasciatus	10-Aug	LONG	250	Long Beach	Los Angeles	12-Aug
WNV	Culex quinquefasciatus	10-Aug	LONG	251	Long Beach	Los Angeles	12-Aug
WNV	Culex quinquefasciatus	10-Aug	LONG	253	Long Beach	Los Angeles	12-Aug
WNV	Culex quinquefasciatus	10-Aug	LONG	259	Long Beach	Los Angeles	12-Aug
WNV	Culex quinquefasciatus	10-Aug	LONG	263	Long Beach	Los Angeles	12-Aug
WNV	Culex tarsalis	9-Aug	NWST	367	Corona	Riverside	13-Aug
WNV	Culex quinquefasciatus	10-Aug	ORCO	1281	Anaheim	Orange	17-Aug
WNV	Culex quinquefasciatus	10-Aug	ORCO	1282	Fullerton	Orange	17-Aug
WNV	Culex quinquefasciatus	10-Aug	ORCO	1283	Fullerton	Orange	17-Aug
WNV	Culex quinquefasciatus	10-Aug	ORCO	1287	Yorba Linda	Orange	17-Aug
WNV	Culex quinquefasciatus	11-Aug	ORCO	1293	Anaheim	Orange	17-Aug
WNV	Culex quinquefasciatus	11-Aug	ORCO	1295	Cypress	Orange	17-Aug
WNV	Culex quinquefasciatus	11-Aug	ORCO	1296	Santa Ana	Orange	17-Aug
WNV	Culex quinquefasciatus	11-Aug	ORCO	1297	Fullerton	Orange	17-Aug
WNV	Culex quinquefasciatus	11-Aug	ORCO	1298	Fullerton	Orange	17-Aug
WNV	Culex quinquefasciatus	11-Aug	ORCO	1299	Brea	Orange	17-Aug
WNV	Culex quinquefasciatus	11-Aug	ORCO	1300	Brea	Orange	17-Aug
WNV	Culex quinquefasciatus	11-Aug	ORCO	1301	Buena Park	Orange	17-Aug
WNV	Culex tarsalis	11-Aug	SAYO	798	Sacramento	Sacramento	16-Aug
WNV	Culex tarsalis	13-Aug	SAYO	819	Woodland	Sacramento	16-Aug
WNV	Culex tarsalis	13-Aug	SAYO	829	Citrona	Sacramento	16-Aug
WNV	Culex tarsalis	13-Aug	SAYO	838	Esparto	Sacramento	16-Aug

## Dead Birds Tested Positive for WNV last week

Species	County	City	Zip	Date Collected	Date Tested
California Towhee	Alameda	Castro Valley	94552	8/6/2004	8/16/2004
Black-shouldered Kite	Alameda	Pleasanton	94588	8/6/2004	8/16/2004
American Crow	Butte	Chico	95926	8/3/2004	8/16/2004
American Crow	Butte	Chico	95973	8/4/2004	8/16/2004
American Crow	Butte	Chico	95926	8/4/2004	8/16/2004
American Crow	Butte	Chico	95973	8/5/2004	8/16/2004
Western Scrub-Jay	Butte	Chico	95928	8/3/2004	8/16/2004
Western Scrub-Jay	Butte	Chico	95926	8/4/2004	8/16/2004
Western Scrub-Jay	Butte	Chico	95926	8/4/2004	8/16/2004
Western Scrub-Jay	Butte	Chico	95973	8/4/2004	8/16/2004
Yellow-billed Magpie	Butte	Chico	95926	8/2/2004	8/16/2004
Yellow-billed Magpie	Butte	Chico	95926	8/3/2004	8/16/2004
Yellow-billed Magpie	Butte	Chico	95973	8/5/2004	8/16/2004
Yellow-billed Magpie	Butte	Chico	95928	8/5/2004	8/16/2004
Yellow-billed Magpie	Butte	Chico	95928	8/5/2004	8/16/2004
Western Scrub-Jay	Butte	Durham	95938	8/4/2004	8/16/2004
Western Scrub-Jay	Butte	Durham	95938	8/5/2004	8/16/2004
Yellow-billed Magpie	Butte	Durham	95938	8/2/2004	8/16/2004
Western Scrub-Jay	Butte	Gridley	95948	8/3/2004	8/16/2004
Western Scrub-Jay	Butte	Oroville	95966	8/9/2004	8/16/2004
Yellow-billed Magpie	Butte	Nelson	95958	8/2/2004	8/16/2004
Yellow-billed Magpie	Butte	Nelson	95938	8/4/2004	8/16/2004
American Kestrel	Butte	Oroville	95966	8/4/2004	8/16/2004
Red-Shouldered Hawk	Butte	Oroville	95965	8/4/2004	8/16/2004

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Steller's Jay	Butte	Oroville	95966	8/3/2004	8/16/2004
Western Scrub-Jay	Butte	Oroville	95966	8/3/2004	8/16/2004
Western Scrub-Jay	Butte	Oroville	95966	8/4/2004	8/16/2004
California Quail	Calaveras	San Andreas	95249	8/4/2004	8/16/2004
Western Scrub-Jay	El Dorado	El Dorado Hills	95762	8/9/2004	8/16/2004
Western Scrub-Jay	El Dorado	Rescue	95672	8/4/2004	8/16/2004
American Crow	Fresno	Clovis	93611	8/2/2004	8/16/2004
American Crow	Fresno	Clovis	93611	8/3/2004	8/16/2004
American Crow	Fresno	Clovis	93612	8/3/2004	8/16/2004
American Crow	Fresno	Clovis	93611	8/6/2004	8/16/2004
American Crow	Fresno	Clovis	93612	8/4/2004	8/16/2004
Western Scrub-Jay	Fresno	Clovis	93612	8/2/2004	8/16/2004
Western Scrub-Jay	Fresno	Clovis	93611	8/2/2004	8/16/2004
Western Scrub-Jay	Fresno	Clovis	93611	8/3/2004	8/16/2004
Western Scrub-Jay	Fresno	Clovis	93611	8/4/2004	8/16/2004
Western Scrub-Jay	Fresno	Clovis	93611	8/5/2004	8/16/2004
Western Scrub-Jay	Fresno	Clovis	93611	8/5/2004	8/16/2004
Western Scrub-Jay	Fresno	Clovis	93611	8/5/2004	8/16/2004
Western Scrub-Jay	Fresno	Clovis	93611	8/5/2004	8/16/2004
American Crow	Fresno	Fresno	93710	8/3/2004	8/16/2004
American Crow	Fresno	Fresno	93740	8/4/2004	8/16/2004
American Crow	Fresno	Fresno	93710	8/5/2004	8/16/2004
Western Scrub-Jay	Fresno	Fresno	93720	8/4/2004	8/16/2004
Western Scrub-Jay	Fresno	Reedley	93654	8/2/2004	8/16/2004
Western Scrub-Jay	Fresno	Sanger	93657	8/3/2004	8/16/2004
Western Scrub-Jay	Glenn	Elk Creek	95939	8/4/2004	8/16/2004
Yellow-billed Magpie	Glenn	Hamilton City	95951	8/4/2004	8/16/2004
Yellow-billed Magpie	Glenn	Hamilton City	95951-	8/4/2004	8/16/2004
Western Scrub-Jay	Glenn	Orland	95963	8/3/2004	8/16/2004
Western Scrub-Jay	Glenn	Orland	95963	8/3/2004	8/16/2004
Western Scrub-Jay	Glenn	Orland	95963	8/4/2004	8/16/2004
Western Scrub-Jay	Glenn	Orland	95963	8/4/2004	8/16/2004
Western Scrub-Jay	Glenn	Orland	95963	8/5/2004	8/16/2004
Western Scrub-Jay	Glenn	Orland	95963	8/5/2004	8/16/2004
Yellow-billed Magpie	Glenn	Orland	95963	8/2/2004	8/16/2004
Yellow-billed Magpie	Glenn	Orland	95963	8/3/2004	8/16/2004
Yellow-billed Magpie	Glenn	Orland	95963	8/4/2004	8/16/2004
Yellow-billed Magpie	Glenn	Orland	95963	8/4/2004	8/16/2004
Yellow-billed Magpie	Glenn	Orland	95963	8/4/2004	8/16/2004
Yellow-billed Magpie	Glenn	Orland	95963	8/5/2004	8/16/2004
American Crow	Glenn	Willows	95988	8/3/2004	8/16/2004
American Crow	Glenn	Willows	95988	8/4/2004	8/16/2004
Domestic Goose	Imperial	Heber	92249	8/8/2004	8/16/2004
American Crow	Kern	Bakersfield	93312	8/4/2004	8/16/2004
American Crow	Kern	Bakersfield	93312	8/5/2004	8/16/2004
American Crow	Kern	Bakersfield	93309	8/5/2004	8/16/2004
Common Raven	Kern	Bakersfield	93301	8/5/2004	8/16/2004
Steller's Jay	Kern	Bakersfield	93313	8/3/2004	8/16/2004
Western Scrub-Jay	Kern	Bakersfield	93308	7/30/2004	8/16/2004
Western Scrub-Jay	Kern	Bakersfield	93311	7/30/2004	8/16/2004
Western Scrub-Jay	Kern	Bakersfield	93312	8/3/2004	8/16/2004
Western Scrub-Jay	Kern	Bakersfield	93313	8/5/2004	8/16/2004
Western Scrub-Jay	Kern	Bakersfield	93309	8/5/2004	8/16/2004

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Western Scrub-Jay	Kern	Bakersfield	93309	8/6/2004	8/16/2004
Common Raven	Kern	Mojave	93501	8/5/2004	8/16/2004
American Crow	Lake	Kelseyville	95451	8/5/2004	8/16/2004
American Crow	Lassen	Herlong	96113	8/5/2004	8/16/2004
Red-tailed Hawk	Lassen	Wendel	96136	8/6/2004	8/16/2004
American Crow	Los Angeles	Can Nuys	91406	8/5/2004	8/16/2004
American Crow	Los Angeles	El Monte	91733	7/21/2004	8/16/2004
American Crow	Los Angeles	El Monte	91733	7/21/2004	8/16/2004
American Crow	Los Angeles	Encino	91316	8/3/2004	8/16/2004
American Crow	Los Angeles	Encino	91316	8/5/2004	8/16/2004
American Crow	Los Angeles	Encino	91436	8/2/2004	8/16/2004
House Finch	Los Angeles	Hacienda Heights	91745	7/27/2004	8/16/2004
American Crow	Los Angeles	Lake Balboa	91406	7/30/2004	8/16/2004
American Crow	Los Angeles	Lakewood	90712	8/2/2004	8/16/2004
American Crow	Los Angeles	Los Angeles	90061	8/4/2004	8/16/2004
American Crow	Los Angeles	Los Angeles	90024	8/3/2004	8/16/2004
American Crow	Los Angeles	Los Angeles	90065	8/5/2004	8/16/2004
American Crow	Los Angeles	Los Angeles	90035	8/5/2004	8/16/2004
American Crow	Los Angeles	Los Angeles	90047	8/5/2004	8/16/2004
American Crow	Los Angeles	Los Angeles	90016	8/9/2004	8/16/2004
American Crow	Los Angeles	Los Angeles	90012	8/11/2004	8/16/2004
American Crow	Los Angeles	Montebello	90640	7/27/2004	8/16/2004
American Crow	Los Angeles	Montebello	90640	7/29/2004	8/16/2004
American Crow	Los Angeles	Montebello	90640	7/29/2004	8/16/2004
American Crow	Los Angeles	Montebello	90640	7/29/2004	8/16/2004
American Crow	Los Angeles	Pico Rivera	90660	7/26/2004	8/16/2004
American Crow	Los Angeles	Pico Rivera	90660	7/23/2004	8/16/2004
American Crow	Los Angeles	Pico Rivera	90660	7/23/2004	8/16/2004
American Crow	Los Angeles	Pico Rivera	90660	7/22/2004	8/16/2004
American Crow	Los Angeles	Pico Rivera	90660-	7/23/2004	8/16/2004
American Crow	Los Angeles	Pico Rivera	90660-	7/21/2004	8/16/2004
American Crow	Los Angeles	Pico Rivera	90660-	7/21/2004	8/16/2004
American Crow	Los Angeles	Pico Rivera	90660-	7/21/2004	8/16/2004
Mallard Duck	Los Angeles	Pico Rivera	90660-	7/27/2004	8/16/2004
American Crow	Los Angeles	Reseda	91335	8/3/2004	8/16/2004
American Crow	Los Angeles	Reseda	91335	8/5/2004	8/16/2004
American Crow	Los Angeles	Sherman Oaks	91411	8/2/2004	8/16/2004
American Crow	Los Angeles	Sherman Oaks	91411	8/3/2004	8/16/2004
American Crow	Los Angeles	Sylmar	91342	8/5/2004	8/16/2004
American Crow	Los Angeles	Tarzana	91356	8/2/2004	8/16/2004
American Crow	Los Angeles	Torrance	90503	8/10/2004	8/16/2004
American Crow	Los Angeles	Torrance	90504	8/10/2004	8/16/2004
Western Scrub-Jay	Los Angeles	Valencia	91355	8/9/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406	7/29/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406	8/3/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406	8/3/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406	8/3/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406-	8/3/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406-	8/3/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406-	8/3/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406-	8/3/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406-	8/3/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406-	8/3/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	94106	8/5/2004	8/16/2004



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American Crow	Los Angeles	Van Nuys	91406	8/5/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406	8/5/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406	8/4/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406	8/5/2004	8/16/2004
American Crow	Los Angeles	Van Nuys	91406	8/5/2004	8/16/2004
American Crow	Los Angeles	West Hollywood	90069	8/3/2004	8/16/2004
American Crow	Los Angeles	Whittier	90601	7/27/2004	8/16/2004
American Crow	Los Angeles	Whittier	90601	8/2/2004	8/16/2004
American Crow	Madera	Madera	93637	8/3/2004	8/16/2004
American Crow	Marin	San Rafael	94901	8/4/2004	8/16/2004
American Crow	Mendocino	Ukiah	95482	8/9/2004	8/16/2004
American Crow	Napa	Napa	94558	8/4/2004	8/16/2004
Yellow-billed Magpie	Nevada	Rough and Ready	95975	8/5/2004	8/16/2004
Steller's Jay	Nevada	Truckee	96161	8/4/2004	8/16/2004
American Crow	Orange	Anaheim	92805	8/2/2004	8/16/2004
American Crow	Orange	Anaheim	92804	8/4/2004	8/16/2004
American Crow	Orange	Anaheim	92805	8/5/2004	8/16/2004
American Crow	Orange	Brea	92821	8/3/2004	8/16/2004
American Crow	Orange	Fountain Valley	92708	8/4/2004	8/16/2004
American Crow	Orange	Fountain Valley	92708	8/4/2004	8/16/2004
finch	Orange	Fullerton	92832	7/29/2004	8/9/2004
jay	Orange	Fullerton	92832	7/29/2004	8/9/2004
American Crow	Orange	Garden Grove	92841	8/2/2004	8/16/2004
American Crow	Orange	Garden Grove	92841	8/3/2004	8/16/2004
American Crow	Orange	Garden Grove	92840	8/3/2004	8/16/2004
American Crow	Orange	Huntington Beach	92647	8/3/2004	8/16/2004
Rock Dove	Orange	Los Alamitos	90720	8/6/2004	8/16/2004
American Crow	Orange	Orange	92865	8/1/2004	8/16/2004
American Crow	Orange	Orange	92867	8/2/2004	8/16/2004
American Crow	Orange	Rossmoor	90720	8/3/2004	8/16/2004
American Crow	Orange	Rossmoor	90720	8/4/2004	8/16/2004
American Crow	Orange	Santa Ana	92705	8/3/2004	8/16/2004
American Crow	Orange	Santa Ana	92706	8/4/2004	8/16/2004
American Crow	Orange	Stanton	90680	8/1/2004	8/16/2004
Sharp-shinned Hawk	Orange	Stanton	90680	8/3/2004	8/16/2004
American Crow	Orange	Westminster	92683	7/27/2004	8/16/2004
Western Scrub-Jay	Placer	Meadow Vista	95722	8/5/2004	8/16/2004
Western Scrub-Jay	Placer	Roseville	95661	8/6/2004	8/16/2004
American Robin	Plumas	Quincy	95971	8/3/2004	8/16/2004
Black-headed Grosbeak	Plumas	Taylorsville	95983	8/9/2004	8/16/2004
American Crow	Riverside	Calimesa	92320	8/2/2004	8/16/2004
American Crow	Riverside	Hemet	92543	8/3/2004	8/16/2004
American Crow	Riverside	Hemet	92543	8/3/2004	8/16/2004
American Crow	Sacramento	Elk Grove	95624	8/4/2004	8/16/2004
American Crow	Sacramento	Elk Grove	95624	8/5/2004	8/16/2004
Western Scrub-Jay	Sacramento	Elk Grove	95624	8/6/2004	8/16/2004
Yellow-billed Magpie	Sacramento	Fair Oaks	95628	8/4/2004	8/16/2004
American Crow	Sacramento	Rancho Cordova	95670	8/4/2004	8/16/2004
American Crow	Sacramento	Sacramento	95826	8/5/2004	8/16/2004
Western Scrub-Jay	Sacramento	Sacramento	95864	8/2/2004	8/16/2004
Western Scrub-Jay	Sacramento	Sacramento	95831	8/4/2004	8/16/2004
Western Scrub-Jay	Sacramento	Wilton	95693	8/6/2004	8/16/2004
Western Scrub-Jay	Sacramento	Wilton	95693	8/4/2004	8/16/2004

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Species	County	City	Zip	Date Collected	Date Tested
Cooper's Hawk	San Diego	San Diego	92109	8/10/2004	8/16/2004
Western Scrub-Jay	San Diego	Valley Center	92082	8/6/2004	8/16/2004
American Crow	San Joaquin	Acampo	95220	8/5/2004	8/16/2004
Western Scrub-Jay	San Joaquin	Lodi	95240	8/2/2004	8/16/2004
Western Scrub-Jay	San Joaquin	Lodi	95240	8/6/2004	8/16/2004
Western Scrub-Jay	San Joaquin	Lodi	95240	8/9/2004	8/16/2004
Western Scrub-Jay	San Joaquin	Lodi	95240	8/9/2004	8/16/2004
American Crow	San Joaquin	Stockton	95204	8/6/2004	8/16/2004
American Crow	San Joaquin	Tracy	95376	8/5/2004	8/16/2004
Steller's Jay	San Mateo	Millbrae	94030	8/5/2004	8/16/2004
Western Scrub-Jay	San Mateo	Millbrae	94030	8/5/2004	8/16/2004
Western Scrub-Jay	San Mateo	Redwood City	94061	8/2/2004	8/16/2004
Western Scrub-Jay	San Mateo	San Mateo	94401	8/2/2004	8/16/2004
American Crow	Santa Clara	San Jose	95101	8/4/2004	8/16/2004
American Crow	Santa Clara	San Jose	95148	8/4/2004	8/16/2004
American Crow	Santa Clara	San Jose	95128	8/6/2004	8/16/2004
Western Scrub-Jay	Santa Clara	San Jose	95148	8/4/2004	8/16/2004
Western Scrub-Jay	Santa Clara	Santa Clara	95054	8/3/2004	8/16/2004
American Crow	Shasta	Anderson	96007	7/30/2004	8/16/2004
American Crow	Shasta	Anderson	96007	8/2/2004	8/16/2004
Common Raven	Shasta	Anderson	96007	7/30/2004	8/16/2004
Western Scrub-Jay	Shasta	Anderson	96007	8/2/2004	8/16/2004
Western Scrub-jay	Shasta	Anderson	96007	7/30/2004	8/16/2004
Western Scrub-Jay	Shasta	Anderson	96007	8/2/2004	8/16/2004
Western Scrub-Jay	Shasta	Anderson	96007	8/4/2004	8/16/2004
Yellow-billed Magpie	Shasta	Anderson	96007	7/30/2004	8/16/2004
Yellow-billed Magpie	Shasta	Anderson	96007	8/3/2004	8/16/2004
Yellow-billed Magpie	Shasta	Cottonwood	96022	7/30/2004	8/16/2004
Western Screech-Owl	Shasta	Redding	96002	8/4/2004	8/16/2004
Western Scrub-Jay	Shasta	Redding	96002	8/2/2004	8/16/2004
Western Scrub-Jay	Shasta	Redding	96002	8/3/2004	8/16/2004
Western Scrub-Jay	Shasta	Redding	96002	7/30/2004	8/16/2004
Western Scrub-Jay	Shasta	Redding	96003	8/2/2004	8/16/2004
Western Scrub-Jay	Shasta	Redding	96002	8/2/2004	8/16/2004
Western Scrub-Jay	Shasta	Redding	96002	8/4/2004	8/16/2004
Western Scrub-Jay	Shasta	Redding	96002	8/4/2004	8/16/2004
Yellow-billed Magpie	Shasta	Redding	96002	7/30/2004	8/16/2004
Yellow-billed Magpie	Shasta	Redding	96003	8/3/2004	8/16/2004
Yellow-billed Magpie	Shasta	Redding	96001	8/4/2004	8/16/2004
Red-tailed Hawk	Sierra	Loyalton	96118	8/6/2004	8/16/2004
Western Tanager	Sierra	Loyalton	96118	8/3/2004	8/16/2004
Common Nighthawk	Siskiyou	Fort Jones	96032	8/4/2004	8/16/2004
Evening Grosbeak	Siskiyou	Gazelle	96034	8/2/2004	8/16/2004
Bank Swallow	Siskiyou	Mount Shasta	96067	8/4/2004	8/16/2004
Western Tanager	Siskiyou	Yreka	96097	8/4/2004	8/16/2004
Yellow-billed Magpie	Solano	Vacaville	95688	8/8/2004	8/16/2004
American Crow	Sonoma	Cotati	94931	8/6/2004	8/16/2004
American Crow	Sonoma	Santa Rosa	95404	8/5/2004	8/16/2004
Barn Owl	Sonoma	Sonoma	95476	8/5/2004	8/16/2004
Yellow-billed Magpie	Stanislaus	Hughson	95326	8/2/2004	8/16/2004
Western Scrub-jay	Stanislaus	Keyes	95328	8/2/2004	8/16/2004
American Crow	Stanislaus	Modesto	95350	8/5/2004	8/16/2004
Western Scrub-Jay	Stanislaus	Modesto	95356	8/9/2004	8/16/2004

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Western Scrub-Jay	Stanislaus	Oakdale	95361	8/2/2004	8/16/2004
Yellow-billed Magpie	Stanislaus	Oakdale	95361	8/2/2004	8/16/2004
Yellow-billed Magpie	Stanislaus	Turlock	95382	8/2/2004	8/16/2004
Yellow-billed Magpie	Stanislaus	Turlock	95382	8/4/2004	8/16/2004
American Crow	Sutter	Yuba City	95991	8/6/2004	8/16/2004
American Crow	Tehama	Corning	96021	8/8/2004	8/16/2004
Steller's Jay	Tehama	Corning	96021	8/4/2004	8/16/2004
Steller's Jay	Tehama	Corning	96021	8/5/2004	8/16/2004
Western Scrub-Jay	Tehama	Corning	96021	8/3/2004	8/16/2004
Western Scrub-Jay	Tehama	Corning	96021	8/4/2004	8/16/2004
Western Scrub-Jay	Tehama	Corning	96021	8/5/2004	8/16/2004
Yellow-billed Magpie	Tehama	Corning	96021	8/5/2004	8/16/2004
Yellow-billed Magpie	Tehama	Corning	96021	8/9/2004	8/16/2004
Steller's Jay	Tehama	Gerber	96035	8/5/2004	8/16/2004
Western Scrub-Jay	Tehama	Gerber	96035	8/4/2004	8/16/2004
Western Scrub-Jay	Tehama	Gerber	96035	8/5/2004	8/16/2004
Steller's Jay	Tehama	Los Molinos	96055	8/3/2004	8/16/2004
Western Scrub-Jay	Tehama	Los Molinos	96055	8/4/2004	8/16/2004
Yellow-billed Magpie	Tehama	Orland	95963	8/4/2004	8/16/2004
Yellow-billed Magpie	Tehama	Orland	95963	8/4/2004	8/16/2004
Yellow-billed Magpie	Tehama	Orland	95963	8/9/2004	8/16/2004
Western Scrub-Jay	Tehama	Proberta	96078	8/6/2004	8/16/2004
Yellow-billed Magpie	Tehama	Proberta	96078	8/6/2004	8/16/2004
American Crow	Tehama	Red Bluff	96080	8/9/2004	8/16/2004
Steller's Jay	Tehama	Red Bluff	96080	8/4/2004	8/16/2004
Western Scrub-Jay	Tehama	Red Bluff	96080	8/2/2004	8/16/2004
Western Scrub-Jay	Tehama	Red Bluff	96080	8/4/2004	8/16/2004
Western Scrub-Jay	Tehama	Red bluff	96080	8/4/2004	8/16/2004
Western Scrub-Jay	Tehama	Red Bluff	96080	8/5/2004	8/16/2004
Western Scrub-Jay	Tehama	Red Bluff	96080	8/6/2004	8/16/2004
Western Scrub-Jay	Tehama	Red Bluff	96080	8/4/2004	8/16/2004
Yellow-billed Magpie	Tehama	Red Bluff	96080	8/3/2004	8/16/2004
Yellow-billed Magpie	Tehama	Red Bluff	96080	8/3/2004	8/16/2004
Yellow-billed Magpie	Tehama	Red Bluff	96080	8/4/2004	8/16/2004
Yellow-billed Magpie	Tehama	Red Bluff	96080	8/6/2004	8/16/2004
Yellow-billed Magpie	Tehama	Red Bluff	96080	8/9/2004	8/16/2004
Western Scrub-Jay	Tehama	Vina	96092	8/3/2004	8/16/2004
Black-headed Grosbeak	Trinity	Weaverville	96093	8/2/2004	8/16/2004
Song Sparrow	Trinity	Weaverville	96093	8/2/2004	8/16/2004
American Robin	Tulare	Tulare	93274	8/6/2004	8/16/2004
Acorn Woodpecker	Tulare	Visalia	93292	8/3/2004	8/16/2004
Western Scrub-Jay	Tulare	Visalia	93277	8/4/2004	8/16/2004
Western Scrub-Jay	Tulare	Visalia	93277	8/6/2004	8/16/2004

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## National Comments:

As of August 24, 2004, West Nile Virus (WNV) activity has been detected in 46 states, Puerto Rico, and New York City. Maine, Montana, and Vermont reported their first WNV activity this week. More than 800 human WNV cases have been reported from 30 states and New York City. The majority of the cases have been reported from Arizona, California, and Colorado. Of the 832 WNV cases where data is available, the median age is 50 years (range: 1 month – 99 years) and 56% are male. Thirty-seven percent of the cases have been classified as neuroinvasive. There have been 20 fatalities reported to date in 2004 nationwide. In addition, 77 asymptomatic blood donors who tested positive for West Nile virus have also been reported. Fourteen of these blood donors later developed symptoms.

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## 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.

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## 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.

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## 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.

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*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].*