

California Arbovirus Surveillance Bulletin # 16

Week 31 Friday, August 6, 2004

Weekly Summary

California Weekly Summary Comments:

Humans:

This week, California reported 49 new humans infected with West Nile Virus (WNV). As of August 5, 2004, a total of 103 WNV infections have been reported from the following local health jurisdictions: San Bernardino (51), Los Angeles (24), Riverside (18), Orange (2), Fresno (2), Kern (2), Tulare (1), and Imperial (1) counties, and Long Beach (1) and Pasadena (1) cities. Five of these WNV infections were initially detected in asymptomatic individuals through screening done at blood banks – one of these individuals later became symptomatic. Of the 99 WNV cases with symptoms, 47 are classified as West Nile fever cases, 43 are classified as West Nile neuroinvasive disease, and 9 are of unknown status. The median age, for all cases where data was available, is 49 years. The median age for West Nile fever cases is 43 years. The median for West Nile neuroinvasive disease case is 57 years. Seventy percent (69/99) of the symptomatic WNV cases are male. There have been two fatalities to date in California. The first occurred in an Orange county resident, and the second occurred in a San Bernardino County resident.

Equine:

The California Department of Food & Agriculture confirmed 18 WNV equine cases from Riverside (9), San Bernardino (5), Tehama (2), Shasta (1), and Kern (1) counties this past week. This is the first reporting of positive equine cases for Shasta and Tehama counties. Currently, the YTD stands at 62 positive horses. Thirty-three horses have been euthanized or have died after infected with WNV.

Dead Birds:

The hotline received 6,438 reported dead birds last week (YTD = 45,098). The UC Davis Center for Vectorborne Diseases (CVEC) reported 121 out of 211 dead birds submitted in the past week have tested positive for WNV by RT-PCR: 98 American crows, 8 western scrub jays, 3 ravens, 3 yellow-billed magpies, 2 house finches, 2 mockingbirds, 1 California towhee, 1 Great-horned owl, 1 house sparrow, 1 red-tailed hawk, and 1 woodpecker. The Great-horned owl, California towhee, and woodpecker were the first of their species tested positive for WNV this year.

The positive birds were collected within the counties of Los Angeles (79), Orange (16), Kern (5), San Diego (4), Riverside (3), Sacramento (3), Ventura (3), Fresno (2), Santa Barbara (2), Butte (1), Contra Costa (1), San Bernardino (1) and Shasta (1). **These were the first WNV positive dead bird results from the counties of Contra Costa, Fresno, Santa Barbara, and Shasta.**

A total of 201 dead birds were tested from 16 of the 19 WNV positive counties. Thus 60.2% (121/201) of the birds tested from these counties were WNV positive. Ten dead birds from seven other counties tested negative.

News Flash:

CVEC reported this afternoon that 149 dead birds have tested positive for WNV. The positive birds were collected within 23 counties: Los Angeles (45), Butte (21), Orange (14), Kern (9), Riverside (8), Shasta (8), Glenn (7), Santa Clara (7), Fresno (4), Tehama (4), Sacramento (4), Ventura (3), Alameda (3), San Diego (2), El Dorado (1), Mendocino (1), Humboldt (1), Marin (1), Placer (1), Solano (1), Sonoma (1), Stanislaus (1), and Tulare (1). **These are the first WNV positive dead bird results from the counties of Alameda, El Dorado, Glenn, Humboldt, Marin, Placer, Solano, Sonoma, and Stanislaus.**

Mosquito Pools:

CVEC reported 73 WNV positive mosquito pools from Los Angeles (31), Kern (16), San Bernardino (7), Riverside (6), Fresno (4), Sacramento (4), Sutter (3), and Shasta (2) counties. This is the first report of WNV activity in Sutter County, and the first positive mosquitoes from Sacramento and Shasta counties, where WNV has previously been detected in dead birds. Moreover, this is the first detection of viral activity in *Culex pipiens*. To date, the YTD stands at 414 positive pools.

California Arbovirus Surveillance Bulletin # 16

Week 31 Friday, August 6, 2004

Chickens:

Seventy-three WNV chicken seroconversions were detected in 18 flocks from Imperial (12), Riverside (41), and San Bernardino (20) counties. Of the 73 seroconversion, 15 positives came from new flocks in Imperial (1), Riverside (5) and San Bernardino (3) counties. The current YTD total stands at 200 WNV seroconversions.

Website Information:

For updated information on WNV, please visit the California WNV website, www.westnile.ca.gov; the CDC website, www.cdc.gov; and the USGS website, 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	78	0	49	0	0	0	0	0	0
	YTD	608	0	103	0	0	0	0	0	0
Suspect Equine Cases	Week	34	0	18	0	0	0	0	0	0
	YTD	292	0	62	0	0	0	0	0	0

Dead Birds

	Number Tested	WNV Positive
Week	211	121
YTD	2253	1,101

Sentinel Chickens and Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive	Other Positive
	YTD	17,929	200	0	0	0
Mosquito pools	Week	579	73	0	0	0
	YTD	7292	414	0	0	0

*This total has been adjusted to include local agency submissions

POSITIVES

Human Positives Reported:

Virus	Date of Onset	Status	Diagnosis	County	Imported/Local	From
WNV	6/27/04	Probable	WN Fever	San Bernardino	Local	
WNV	7/15/04	Probable	WN Neuroinvasive Disease	San Bernardino	Local	
WNV	7/01/04	Probable	WN Fever	San Bernardino	Local	
WNV	7/16/04	Probable	WN Fever	San Bernardino	Local	
WNV	Unknown	Probable	WN Fever	San Bernardino	Local	
WNV	7/13/04	Probable	WN Fever	San Bernardino	Local	
WNV	7/23/04	Probable	WN Neuroinvasive Disease	San Bernardino	Local	
WNV	7/21/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	7/22/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	7/18/04	Probable	WN Neuroinvasive Disease	San Bernardino	Local	
WNV	7/12/04	Probable	WN Neuroinvasive Disease	San Bernardino	Local	
WNV	7/10/04	Probable	WN Fever	San Bernardino	Local	
WNV	Unknown	Probable	WN Neuroinvasive Disease	San Bernardino	Local	
WNV	7/07/04	Probable	WN Fever	Riverside	Local	
WNV	7/24/04	Probable	WN Neuroinvasive Disease	Riverside	Local	
WNV	7/13/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	7/15/04	Probable	WN Fever	Los Angeles	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	7/09/04	Probable	WN Fever	San Bernardino	Local	
WNV	7/11/04	Probable	WN Fever	San Bernardino	Local	
WNV	7/26/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	7/12/04	Probable	WN Fever	Fresno	Local	
WNV	7/16/04	Probable	WN Fever	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	Los Angeles	Local	
WNV	7/30/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	Unknown	Probable	WN Fever	Los Angeles	Local	
WNV	7/22/04	Probable	WN Fever	San Bernardino	Local	
WNV	7/20/04	Probable	WN Neuroinvasive Disease	Tulare	Local	
WNV	7/24/04	Probable	WN Neuroinvasive Disease	Orange	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	Unknown	Probable	WN Fever	San Bernardino	Local	

California Arbovirus Surveillance Bulletin # 16

Week 31 Friday, August 6, 2004

Virus	Date of Onset	Status	Diagnosis	County	Imported/Local	From
WNV	6/19/04	Probable	WN Fever	Kern	Local	
WNV	Unknown	Probable	WN Fever	San Bernardino	Local	
WNV	7/28/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	7/12/04	Probable	WN Fever	Riverside	Local	
WNV	7/27/04	Probable	WN Fever	Riverside	Local	
WNV	Unknown	Probable	WN Neuroinvasive Disease	Riverside	Local	
WNV	7/31/04	Probable	WN Neuroinvasive Disease	Riverside	Local	
WNV	7/29/04	Probable	WN Fever	Riverside	Local	
WNV	7/30/04	Probable	WN Neuroinvasive Disease	Riverside	Local	
WNV	Unknown	Probable	WN Fever	San Bernardino	Local	
WNV	Unknown	Probable	WN Fever	San Bernardino	Local	
WNV	7/09/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	7/29/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	Not Applicable	Probable	Assymptomatic – Blood Bank	Kern	Local	
WNV	Not Applicable	Probable	Assymptomatic – Blood Bank	Los Angeles	Local	
WNV	Not Applicable	Probable	Assymptomatic – Blood Bank	Los Angeles	Local	
WNV	Not Applicable	Probable	Assymptomatic – Blood Bank	San Bernardino	Local	

*Indicates fatality

Chicken Seroconversions Reported by DHS:

Virus	County	State	Acode	City	Location
WNV	Imperial	CA	IMPR0011	Niland	Bono Wild Life Reserve
Bands: 144, 1445, and 1446					
Probable Seroconversion Date: 26-July-04					
****	WNV	Imperial	CA	IMPR0012	Westmorland
Bands: 1312					
Probable Seroconversion Date: 14-June-04					
WNV	Imperial	CA	IMPR0012	Westmorland	Westmorland
Bands: 1314					
Probable Seroconversion Date: 12-July-04					
WNV	Imperial	CA	IMPR0012	Westmorland	Westmorland
Bands: 1308, 1309, 1313, and 1316					
Probable Seroconversion Date: 26-July-04					
WNV	Imperial	CA	IMPR0013	Brawley	Brawley flock
Bands: 3866, 3869, and 3870					
Probable Seroconversion Date: 27-July-04					
WNV	Riverside	CA	COAV0035	Mecca	Adohr
Bands: 1403, 1407, 1408, 1416, 1422, 1449, and 1450					
Probable Seroconversion Date: 26-July-04					
WNV	Riverside	CA	COAV0122	Mecca	Gordon
Band: 1430					
Probable Seroconversion Date: 26-July-04					
****	WNV	Riverside	CA	COAV0131	Oasis
Band: 1377					
Probable Seroconversion Date: 28-June-04					
WNV	Riverside	CA	COAV0131	Oasis	Jessup
Band: 1373					
Probable Seroconversion Date: 12-July-04					
WNV	Riverside	CA	COAV0131	Oasis	Jessup
Bands: 1372, 1374, 1375, 1376, 1453, and 1454					
Probable Seroconversion Date: 26-July-04					
****	WNV	Riverside	CA	COAV0200	Mecca
Bands: 1363 and 1365					
Probable Seroconversion Date: 28-June-04					
WNV	Riverside	CA	COAV0200	Mecca	Mecca
Bands: 1361 and 1366					
Probable Seroconversion Date: 12-July-04					
WNV	Riverside	CA	COAV0200	Mecca	Mecca
Bands: 1362, 1364, 1368, and 1369					
Probable Seroconversion Date: 26-July-04					
****	WNV	Riverside	CA	COAV0201	Thermal
Bands: 1352 and 1359					
Probable Seroconversion Date: 28-June-04					
WNV	Riverside	CA	COAV0201	Thermal	Thermal
Bands: 1357 and 1358					
Probable Seroconversion Date: 26-July-04					
****	WNV	Riverside	CA	NWST0002	Glen Ivy Hot Spring
Band: 2634					
Probable Seroconversion Date: 30-June-04					
WNV	Riverside	CA	NWST0002	Glen Ivy Hot Spring	Temescal Fire Station
Bands: 2635, 2638, 2639, and 2640					
Probable Seroconversion Date: 14-July-04					

California Arbovirus Surveillance Bulletin # 16

Week 31 Friday, August 6, 2004

Virus	County	State	Acode	City	Location
WNV	Riverside	CA	NWST0002	Glen Ivy Hot Spring	Temescal Fire Station Probable Seroconversion Date: 28-July-04
Bands: 2631, 2633, and 2637					
**** WNV	Riverside	CA	NWST9226	Riverside	Mockingbird Canyon Probable Seroconversion Date: 30-June-04
Bands: 2654 and 2660					
WNV	Riverside	CA	NWST9226	Riverside	Mockingbird Canyon Probable Seroconversion Date: 14-July-04
Bands: 2652 and 2658					
WNV	Riverside	CA	NWST9401	Corona	Corona Airport Probable Seroconversion Date: 28-July-04
Band: 2642					
WNV	San Bernardino	CA	SANB0002	Redlands	Treatment Plant Probable Seroconversion Date: 26-July-04
Bands: 2961, 2964, 2965, and 2966					
WNV	San Bernardino	CA	SANB0003	Colton	Agua Mansa Flood Channel Probable Seroconversion Date: 26-July-04
Bands: 2971, 2972, 2978, and 2980					
WNV	San Bernardino	CA	SANB0004	San Bernardino	Wildwood Park Flood Basin Probable Seroconversion Date: 26-July-04
Bands: 2987, 2989, and 3045					
WNV	San Bernardino	CA	SANB0011	Rialto	Rialto Frisbee Park Wash Probable Seroconversion Date: 27-July-04
Bands: 3032					
**** WNV	San Bernardino	CA	WVAL0002	Chino	Dog Club, 71 Freeway and Euclid Probable Seroconversion Date: 28-June-04
Bands: 3808, 3810, and 3811					
WNV	San Bernardino	CA	WVAL0002	Chino	Dog Club, 71 Freeway and Euclid Probable Seroconversion Date: 13-July-04
Bands: 3809 and 3812					
**** WNV	San Bernardino	CA	WVAL0003	Chino	Pump Station Probable Seroconversion Date: 28-June-04
Bands: 3817					
**** WNV	San Bernardino	CA	WVAL0006	Ontario	Hilardes Probable Seroconversion Date: 28-June-04
Bands: 3836 and 3837					

****Indicates a new flock

Virus Isolations From Mosquito Pools:

Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WNV	Culex tarsalis	22-Jul	AFSB	304	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	305	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	306	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	307	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	309	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	310	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	311	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	312	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	313	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	314	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	315	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	316	Arvin	Kern	28-Jul
WNV	Culex tarsalis	22-Jul	AFSB	317	Arvin	Kern	28-Jul
WNV	Culex quinquefasciatus	21-Jul	AFSB	297	Bakersfield	Kern	28-Jul
WNV	Culex quinquefasciatus	21-Jul	AFSB	290	Bakersfield	Kern	28-Jul
WNV	Culex quinquefasciatus	27-Jul	CNSL	41	Clovis	Fresno	28-Jul
WNV	Culex quinquefasciatus	27-Jul	CNSL	45	Clovis	Fresno	28-Jul
WNV	Culex quinquefasciatus	27-Jul	CNSL	46	Clovis	Fresno	28-Jul
WNV	Culex quinquefasciatus	27-Jul	CNSL	43	Clovis	Fresno	28-Jul
WNV	Culex tarsalis	21-Jul	COA V	846	Mecca	Riverside	28-Jul

California Arbovirus Surveillance Bulletin # 16

Week 31 Friday, August 6, 2004

Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WNV	Culex tarsalis	21-Jul	COA V	847	Mecca	Riverside	28-Jul
WNV	Culex tarsalis	21-Jul	COA V	854	Mecca	Riverside	28-Jul
WNV	Culex tarsalis	21-Jul	GRLA	843	Montebello	Los Angeles	29-Jul
WNV	Culex tarsalis	21-Jul	GRLA	844	Montebello	Los Angeles	29-Jul
WNV	Culex quinquefasciatus	21-Jul	GRLA	853	Montebello	Los Angeles	29-Jul
WNV	Culex quinquefasciatus	21-Jul	GRLA	856	Pico Rivera	Los Angeles	29-Jul
WNV	Culex erythrothorax	20-Jul	GRLA	852	Montebello	Los Angeles	29-Jul
WNV	Culex quinquefasciatus	20-Jul	GRLA	809	Cerritos	Los Angeles	29-Jul
WNV	Culex quinquefasciatus	20-Jul	GRLA	810	Hawaiian Gardens	Los Angeles	29-Jul
WNV	Culex quinquefasciatus	20-Jul	GRLA	813	Cerritos	Los Angeles	29-Jul
WNV	Culex quinquefasciatus	20-Jul	GRLA	815	Cerritos	Los Angeles	29-Jul
WNV	Culex quinquefasciatus	20-Jul	GRLA	817	Cerritos	Los Angeles	29-Jul
WNV	Culex quinquefasciatus	22-Jul	KERN	222	Bakersfield	Kern	28-Jul
WNV	Culex quinquefasciatus	21-Jul	LONG	209	Long Beach	Los Angeles	23-Jul
WNV	Culex quinquefasciatus	21-Jul	LONG	210	Long Beach	Los Angeles	23-Jul
WNV	Culex tarsalis	12-Jul	NWST	316	Corona	Riverside	23-Jul
WNV	Culex tarsalis	12-Jul	NWST	324	Riverside	Riverside	23-Jul
WNV	Culex erythrothorax	12-Jul	NWST	333	Miraloma	Riverside	23-Jul
WNV	Culex tarsalis	23-Jul	SAYO	602	Wilton	Sacramento / Yolo	26-Jul
WNV	Culex pipiens	23-Jul	SAYO	628	Wilton	Sacramento / Yolo	26-Jul
WNV	Culex tarsalis	23-Jul	SAYO	629	Wilton	Sacramento / Yolo	26-Jul
WNV	Culex pipiens	23-Jul	SAYO	633	Wilton	Sacramento / Yolo	26-Jul
WNV	Culex tarsalis	1-Jul	SGVA	41	City of Industry	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	21-Jul	SGVA	64	City of Industry	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	14-Jul	SGVA	55	Monterey Park	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	14-Jul	SGVA	57	Monterey Park	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	14-Jul	SGVA	54	San Gabriel	Los Angeles	28-Jul
WNV	Culex tarsalis	12-Jul	SGVA	46	Arcadia	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	20-Jul	SGVA	63	Arcadia	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	14-Jul	SGVA	53	Inwindale	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	21-Jul	SGVA	66	Walnut	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	14-Jul	SGVA	52	Azusa	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	26-Jul	SGVA	70	Arcadia	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	26-Jul	SGVA	71	Arcadia	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	26-Jul	SGVA	72	Arcadia	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	6-Jul	SGVA	42	La Puente	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	7-Jul	SGVA	44	Arcadia	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	12-Jul	SGVA	45	Arcadia	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	19-Jul	SGVA	60	Covina	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	19-Jul	SGVA	62	La Puente	Los Angeles	28-Jul
WNV	Culex quinquefasciatus	21-Jul	SGVA	67	Walnut	Los Angeles	28-Jul
WNV	Culex tarsalis	20-Jul	SHAS	62	Anderson	Shasta	27-Jul
WNV	Culex tarsalis	19-Jul	SHAS	32	Redding	Shasta	27-Jul
WNV	Culex tarsalis	26-Jul	SUYA	154	Tudor	Sutter / Yuba	28-Jul
WNV	Culex tarsalis	26-Jul	SUYA	158	Pennington	Sutter / Yuba	28-Jul
WNV	Culex tarsalis	26-Jul	SUYA	159	Pennington	Sutter / Yuba	28-Jul
WNV	Culex quinquefasciatus	20-Jul	WVAL	260	Ontario	San Bernardino	29-Jul
WNV	Culex quinquefasciatus	20-Jul	WVAL	261	Ontario	San Bernardino	29-Jul

California Arbovirus Surveillance Bulletin # 16

Week 31 Friday, August 6, 2004

Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WNV	Culex quinquefasciatus	20-Jul	WVAL	262	Ontario	San Bernardino	29-Jul
WNV	Culex quinquefasciatus	26-Jul	WVAL	268	Ontario	San Bernardino	29-Jul
WNV	Culex quinquefasciatus	20-Jul	WVAL	257	Ontario	San Bernardino	29-Jul
WNV	Culex quinquefasciatus	20-Jul	WVAL	258	Montclair	San Bernardino	29-Jul
WNV	Culex quinquefasciatus	21-Jul	WVAL	263	Montclair	San Bernardino	29-Jul

Dead Birds Tested Positive for WNV last week

Species	County	City	Zip Code	Date Collected	Date Tested
Yellow-billed Magpie	Butte	Durham	95938	7/13/2004	7/26/2004
Western Scrub-Jay	Contra Costa	Walnut Creek	94595	7/20/2004	7/26/2004
Western Scrub-Jay	Fresno	Fowler	93625	7/20/2004	7/26/2004
American Crow	Fresno	Fresno	93720	7/20/2004	7/26/2004
Northern Mockingbird	Kern	Bakersfield	93308	7/20/2004	7/26/2004
Lewis' Woodpecker	Kern	Bakersfield	93309	7/20/2004	7/26/2004
American Crow	Kern	Bakersfield	93309	7/20/2004	7/26/2004
American Crow	Kern	Bakersfield	93309	7/20/2004	7/26/2004
House Sparrow	Kern	Bakersfield	93314	7/19/2004	7/26/2004
American Crow	Los Angeles	Arleta	91331	7/16/2004	7/26/2004
American Crow	Los Angeles	Bellflower	90706	7/12/2004	7/26/2004
American Crow	Los Angeles	Canoga Park	91303	7/19/2004	7/26/2004
American Crow	Los Angeles	Castaic	91384	7/15/2004	7/26/2004
American Crow	Los Angeles	Chatsworth	91311	7/14/2004	7/26/2004
American Crow	Los Angeles	Chatsworth	91311	7/19/2004	7/26/2004
American Crow	Los Angeles	Diamond Bar	91765	7/20/2004	7/26/2004
American Crow	Los Angeles	East Los Angeles	90022	7/14/2004	7/26/2004
American Crow	Los Angeles	Encino	91316	7/20/2004	7/26/2004
American Crow	Los Angeles	Encino	91316	7/13/2004	7/26/2004
American Crow	Los Angeles	Encino	91436	7/15/2004	7/26/2004
American Crow	Los Angeles	Encino	91436	7/16/2004	7/26/2004
Western Scrub-Jay	Los Angeles	Encino	91436	7/20/2004	7/26/2004
American Crow	Los Angeles	Hawthorne	90250	7/16/2004	7/26/2004
Western Scrub-Jay	Los Angeles	Highland Park	90042	7/12/2004	7/26/2004
Western Scrub-Jay	Los Angeles	La Crescenta	91214	7/15/2004	7/26/2004
American Crow	Los Angeles	Long Beach	90803	7/6/2004	7/26/2004
American Crow	Los Angeles	Long Beach	90807	7/2/2004	7/26/2004
American Crow	Los Angeles	Long Beach	90810	7/15/2004	7/26/2004
American Crow	Los Angeles	Long Beach	90815	7/13/2004	7/26/2004
American Crow	Los Angeles	Long Beach	90815	7/13/2004	7/26/2004
American Crow	Los Angeles	Long Beach	90815	7/15/2004	7/26/2004
American Crow	Los Angeles	Long Beach	90815	7/13/2004	7/26/2004
American Crow	Los Angeles	Long Beach	90815	7/15/2004	7/26/2004
American Crow	Los Angeles	Los Angeles	90008	7/15/2004	7/26/2004
American Crow	Los Angeles	Los Angeles	90023	7/12/2004	7/26/2004
American Crow	Los Angeles	Los Angeles	90059	7/16/2004	7/26/2004
American Crow	Los Angeles	Los Angeles	90059	7/20/2004	7/26/2004
American Crow	Los Angeles	Los Angeles	90033	7/20/2004	7/26/2004
Western Scrub-Jay	Los Angeles	Mission Hills	91345	7/15/2004	7/26/2004
Red-Tailed Hawk	Los Angeles	Mission Hills	91345	7/19/2004	7/26/2004

California Arbovirus Surveillance Bulletin # 16

Week 31 Friday, August 6, 2004

Species	County	City	Zip Code	Date Collected	Date Tested
American Crow	Los Angeles	Montebello	90640	7/15/2004	7/26/2004
American Crow	Los Angeles	Montebello	90640	7/16/2004	7/26/2004
American Crow	Los Angeles	North Hollywood	91605	7/20/2004	7/26/2004
American Crow	Los Angeles	North Hollywood	91605	7/14/2004	7/26/2004
American Crow	Los Angeles	North Hollywood	91607	7/20/2004	7/26/2004
American Crow	Los Angeles	Northridge	91324	7/15/2004	7/26/2004
American Crow	Los Angeles	Northridge	91324	7/15/2004	7/26/2004
American Crow	Los Angeles	Paramount	90723	7/12/2004	7/26/2004
American Crow	Los Angeles	Pico Rivera	90660	7/12/2004	7/26/2004
American Crow	Los Angeles	Pico Rivera	90660	7/13/2004	7/26/2004
American Crow	Los Angeles	Pico Rivera	90660	7/15/2004	7/26/2004
American Crow	Los Angeles	Pico Rivera	90660	7/16/2004	7/26/2004
American Crow	Los Angeles	Pico Rivera	90660	7/19/2004	7/26/2004
American Crow	Los Angeles	Pico Rivera	90660	7/19/2004	7/26/2004
American Crow	Los Angeles	Rancho Palos Verdes	90275	7/14/2004	7/26/2004
American Crow	Los Angeles	Rowland Heights	91748	7/8/2004	7/26/2004
American Crow	Los Angeles	Rowland Heights	91748	7/15/2004	7/26/2004
Common Raven	Los Angeles	Saugus	91390	7/15/2004	7/26/2004
American Crow	Los Angeles	Sherman Oaks	91403	7/16/2004	7/26/2004
American Crow	Los Angeles	Sherman Oaks	91403	7/15/2004	7/26/2004
American Crow	Los Angeles	Sherman Oaks	91411	7/19/2004	7/26/2004
American Crow	Los Angeles	South El Monte	91733	7/12/2004	7/26/2004
American Crow	Los Angeles	Studio City	91604	7/16/2004	7/26/2004
Great-Horned Owl	Los Angeles	Sun Valley	91352	7/20/2004	7/26/2004
American Crow	Los Angeles	Toluca Lake	91602	7/20/2004	7/26/2004
American Crow	Los Angeles	Torrance	90501	7/13/2004	7/26/2004
Common Raven	Los Angeles	Torrance	90502	7/19/2004	7/26/2004
American Crow	Los Angeles	Valley Village	91607	7/14/2004	7/26/2004
American Crow	Los Angeles	Valley Village	91607	7/19/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/19/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	6/25/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/14/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/14/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/14/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/14/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/15/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/15/2004	7/26/2004
Northern Mockingbird	Los Angeles	Van Nuys	91406	7/15/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/16/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/16/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/19/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/19/2004	7/26/2004
American Crow	Los Angeles	Van Nuys	91406	7/20/2004	7/26/2004
American Crow	Los Angeles	Walnut	91789	7/9/2004	7/26/2004
American Crow	Los Angeles	West Hills	91307	7/19/2004	7/26/2004
American Crow	Los Angeles	West Hills	91307	7/15/2004	7/26/2004
American Crow	Los Angeles	Whittier	90601	7/13/2004	7/26/2004
American Crow	Los Angeles	Woodland Hills	91364	7/20/2004	7/26/2004
Common Raven	Orange	Anaheim	92801	7/14/2004	7/26/2004

California Arbovirus Surveillance Bulletin # 16

Week 31 Friday, August 6, 2004

Species	County	City	Zip Code	Date Collected	Date Tested
American Crow	Orange	Anaheim	92801	7/14/2004	7/26/2004
American Crow	Orange	Anaheim	92802	7/12/2004	7/26/2004
American Crow	Orange	Anaheim	92804	7/7/2004	7/26/2004
California Towhee	Orange	Anaheim Hills	92807	7/7/2004	7/26/2004
American Crow	Orange	Buena Park	90621	7/8/2004	7/26/2004
American Crow	Orange	Cypress	90630	7/7/2004	7/26/2004
Western Scrub-Jay	Orange	Fullerton	92832	7/7/2004	7/26/2004
American Crow	Orange	Fullerton	92833	7/13/2004	7/26/2004
American Crow	Orange	Garden Grove	92840	7/14/2004	7/26/2004
American Crow	Orange	La Habra	90631	7/7/2004	7/26/2004
American Crow	Orange	Orange	92867	7/11/2004	7/26/2004
American Crow	Orange	Orange	92868	7/8/2004	7/26/2004
American Crow	Orange	Tustin	92780	7/7/2004	7/26/2004
American Crow	Orange	Westminster	92683	7/14/2004	7/26/2004
Western Scrub-Jay	Orange	Yorba Linda	92887	7/14/2004	7/26/2004
American Crow	Riverside	Moreno Valley	92557	7/15/2004	7/26/2004
American Crow	Riverside	San Jacinto	92582	7/9/2004	7/26/2004
American Crow	Riverside	San Jacinto	92582	7/16/2004	7/26/2004
Yellow-billed Magpie	Sacramento	Carmichael	95608	7/19/2004	7/26/2004
American Crow	Sacramento	Folsom	95630	7/21/2004	7/26/2004
Yellow-billed Magpie	Sacramento	Wilton	95693	7/19/2004	7/26/2004
American Crow	San Bernardino	Yucaipa	92399	7/21/2004	7/26/2004
House Finch	San Diego	Escondido	92026	7/16/2004	7/26/2004
American Crow	San Diego	Fallbrook	92028	7/16/2004	7/26/2004
House Finch	San Diego	San Diego	92129	7/15/2004	7/26/2004
American Crow	San Diego	Vista	92083	7/17/2004	7/26/2004
American Crow	Santa Barbara	Santa Maria	93455	7/21/2004	7/26/2004
American Crow	Santa Barbara	Summerland	93067	7/14/2004	7/26/2004
American Crow	Shasta	Cottonwood	96022	7/19/2004	7/26/2004
American Crow	Ventura	Simi Valley	93065	7/15/2004	7/26/2004
American Crow	Ventura	Simi Valley	93065	7/15/2004	7/26/2004
American Crow	Ventura	Simi Valley	93065	7/20/2004	7/26/2004

National Comments:

As of August 3, 2004, West Nile Virus (WNV) activity has been detected in 39 states, Puerto Rico, and New York City. Delaware, Utah, and West Virginia reported their first WNV activity this week. Four-hundred-six human WNV cases have been reported in 20 states and New York City, with the majority of the cases being detected in Arizona (247), California (80), and Colorado (44). At this time in 2003, 153 human cases had been reported from 16 states. Of the 400 WNV cases where data is available, the median age is 51 years, and 57% of the cases are male. There have been 7 WNV-related fatalities nationwide in 2004.

California Arbovirus Surveillance Bulletin # 16

Week 31 Friday, August 6, 2004

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.

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. All species except *Culex tarsalis* are also tested for California Encephalitis via EIA. All positive pools are confirmed by both singleplex RT-PCR as well as *in situ* EIA.

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].