

California Arbovirus Surveillance Bulletin # 14

Week 29 Friday, July 23, 2004

Weekly Summary

California Weekly Summary Comments:

Humans:

This week, California reported sixteen new human cases of West Nile Virus (WNV) from Los Angeles (4), San Bernardino (6), Riverside (5), and Orange (1) counties. Orange County reported its first human case this week, which was also the first human WNV-related fatality in California. The 57-year-old male was hospitalized with encephalitis in mid-June and died June 24.

A total of 40 human WNV cases have been reported in California in 2004: 23 in San Bernardino County, 8 in Los Angeles County, 8 in Riverside County, and 1 in Orange County. Of the 40 cases, 19 are classified as West Nile fever cases, 18 are classified as West Nile neuroinvasive disease, and 3 are of unknown status.

Equine:

The California Department of Food & Agriculture has confirmed 4 WNV equine cases from Riverside (1) and San Bernardino (3) counties this past week. Currently, the YTD stands at 30 positive horses. Sixteen of the horses have died or have been euthanized resulting from WNV infection. All of these horses were either non-vaccinated or partially vaccinated and not current with their annual booster shots.

Dead Birds:

The hotline received 4,304 reported dead birds last week (YTD = 32,915). The UC Davis Center for Vector-borne Diseases (CVEC) reported 92 dead birds tested positive for WNV via RT-PCR: 89 American crows and 3 western scrub jays. The positive birds were collected in a total of 42 cities within the counties of Los Angeles (64), San Bernardino (8), Orange (1), Riverside (16), Santa Clara (1), Kern (1), and Ventura (1). **These are the first WNV positive dead bird results from the counties of Kern and Santa Clara.**

A total of 122 dead birds were tested this week from Los Angeles, Orange, Riverside, Kern, Santa Clara, Ventura, and San Bernardino counties; hence 73.0% (92/126) of the birds tested came from these seven counties were positive. Thirty-three dead birds from 13 other counties in California tested negative.

News Flash:

CVEC reported this week that 104 dead birds have tested positive for WNV. The positive birds were collected within the counties of Los Angeles (80), Orange (10), Sacramento (4), Riverside (2), Butte (1), Kings (1), Mendocino (1), San Diego (1), San Joaquin (1), Tehama (1), Tulare (1), and Ventura (1). **These are the first WNV positive dead bird results from the counties of Butte, Kings, Mendocino, Sacramento, San Diego, San Joaquin, Tehama, and Tulare.**

Mosquito Pools:

CVEC reported 94 WNV positive mosquito pools from Los Angeles (30), San Bernardino (23), Riverside (15), Orange (14), Imperial (6), Kern (3), Fresno (2), and Stanislaus (1) counties. It is of interest to note the two pools of *Culex quinquefasciatus* collected on 7/13 near Cal State Fresno in Clovis (Fresno County) and a pool of *Cx. tarsalis* collected on 7/12 near Modesto (Stanislaus County) were the first detection of WNV activities in the Central Valley and proceeded positive dead bird reporting. Moreover, last week, CVEC confirmed two mosquito pools collected on 6/30 in Arvin and 7/1 in Bakersfield (Kern County) were WNV positive. These positive pools represented the first indication that WNV has spread from southern California and moved northward. As of July 23, a total of 263 WNV positive pools have been confirmed from these counties: Riverside (80), Los Angeles (71), San Bernardino (61), Imperial (24), Orange (21), Kern (3), Fresno (2), and Stanislaus (1). Detailed summary information on mosquitoes, e.g., chronology of infection, mosquito species, and mosquito infection rates (MIR) will be posted on the WNV website next week.

California Arbovirus Surveillance Bulletin # 14

Week 29 Friday, July 23, 2004

Chickens:

Thirty-five WNV chicken seroconversions were detected in 10 flocks from Riverside (12), San Bernardino (12) and Imperial (11) counties. Of the 35 seroconversions, 17 positives came from two new flocks in Imperial and Riverside counties. The current YTD total stands at 110 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	65	0	16	0	0	0	0	0	0
	YTD	481	0	40	0	0	0	0	0	0
Suspect Equine Cases	Week	17	0	4	0	0	0	0	0	0
	YTD	224	0	30	0	0	0	0	0	0

Dead Birds

	Number Tested	WNV Positive
Week	159	92
YTD	1828	876

Sentinel Chickens and Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive	Other Positive
Chicken sera	Week	1064*	35	0	0	0
	YTD	15,740	110	0	0	0
Mosquito pools	Week	113	94	0	0	0
	YTD	4541	263	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	6/25/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	7/02/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	7/01/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	Unknown	Probable	WN Neuroinvasive Disease	San Bernardino	Local	
WNV	7/05/04	Probable	WN Fever	Los Angeles	Local	
WNV	7/05/04	Probable	WN Neuroinvasive Disease	San Bernardino	Local	
WNV	6/28/04	Probable	WN Fever	San Bernardino	Local	
WNV	6/28/04	Probable	WN Fever	Riverside	Local	
WNV	6/21/04	Probable	WN Neuroinvasive Disease	Riverside	Local	
WNV	7/03/04	Probable	WN Fever	Riverside	Local	
WNV	6/22/04	Probable	WN Neuroinvasive Disease*	Orange	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	7/07/04	Probable	WN Fever	San Bernardino	Local	
WNV	7/04/04	Probable	WN Neuroinvasive Disease	Riverside	Local	
WNV	7/04/04	Probable	WN Fever	Riverside	Local	

*Indicates fatality

California Arbovirus Surveillance Bulletin # 14

Week 29 Friday, July 23, 2004

Chicken Seroconversions Reported by DHS:

Virus	County	State	Acode	City	Location
**** WNV	Imperial	CA	IMPR0011	Niland	Bono Wildlife Reserve
Bands:	1319, 1323, 1326				Probable Seroconversion Date: 14-June-04
WNV	Imperial	CA	IMPR0011	Niland	Bono Wildlife Reserve
Bands:	1317, 1318, 1320, 1321, and 1325				Probable Seroconversion Date: 28-June-04
WNV	Imperial	CA	IMPR0011	Niland	Bono Wildlife Reserve
Bands:	1322 and 1324				Probable Seroconversion Date: 12-July-04
WNV	Imperial	CA	IMPR0013	Brawley	Brawley Flock
Bands:	3865				Probable Seroconversion Date: 13-July-04
**** WNV	Riverside	CA	COAV0122	Mecca	Gordon
Bands:	1390, 1392, 1393, 1396, and 1399				Probable Seroconversion Date: 14-June-04
WNV	Riverside	CA	COAV0122	Mecca	Gordon
Bands:	1394, 1395, 1397, and 1398				Probable Seroconversion Date: 28-June-04
WNV	Riverside	CA	NWST0004	Rancho Jurupa	Rancho Jurupa Park
Band:	2607				Probable Seroconversion Date: 14-July-04
WNV	Riverside	CA	NWST9401	Corona	Corona Airport
Bands:	2644 and 2649				Probable Seroconversion Date: 14-July-04
WNV	San Bernardino	CA	SANB0002	Redlands	Treatment Plant
Band:	2967				Probable Seroconversion Date: 13-July-04
WNV	San Bernardino	CA	SANB0007	Fontana	Fontana
Bands:	3001, 3002, 3003, 3008, and 3010				Probable Seroconversion Date: 13-July-04
WNV	San Bernardino	CA	SANB0011	Rialto	Rialto Frisbee Park
Band:	3038				Probable Seroconversion Date: 28-June-04
WNV	San Bernardino	CA	SANB0011	Rialto	Rialto Frisbee Park
Bands:	3037 and 3040				Probable Seroconversion Date: 13-July-04
WNV	San Bernardino	CA	WVAL0001	Chino	Kimball
Band:	3804				Probable Seroconversion Date: 13-July-04
WNV	San Bernardino	CA	WVAL0007	Montclair	Water District
Bands:	3839 and 3841				Probable Seroconversion Date: 13-July-04

****Indicates a new flock

Virus Isolations From Mosquito Pools:

Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WNV	Culex quinquefasciatus	13-Jul	CNSL	33	Clovis	Fresno	14-Jul
WNV	Culex quinquefasciatus	13-Jul	CNSL	34	Clovis	Fresno	14-Jul
WNV	Culex tarsalis	6-Jul	COAV	765	Mecca	Riverside	15-Jul
WNV	Culex tarsalis	6-Jul	COAV	770	Mecca	Riverside	15-Jul
WNV	Culex tarsalis	6-Jul	COAV	754	Mecca	Riverside	15-Jul
WNV	Culex tarsalis	6-Jul	COAV	750	Mecca	Riverside	15-Jul
WNV	Culex tarsalis	6-Jul	COAV	761	Mecca	Riverside	15-Jul
WNV	Culex tarsalis	6-Jul	COAV	755	Mecca	Riverside	15-Jul
WNV	Culex tarsalis	6-Jul	COAV	759	Mecca	Riverside	15-Jul
WNV	Culex tarsalis	6-Jul	COAV	760	Mecca	Riverside	15-Jul
WNV	Culex tarsalis	8-Jul	COAV	784	Mecca	Riverside	15-Jul
WNV	Culex tarsalis	6-Jul	COAV	771	Mecca	Riverside	15-Jul
WNV	Culex quinquefasciatus	6-Jul	COAV	772	Mecca	Riverside	15-Jul
WNV	Culex tarsalis	6-Jul	COAV	767	Mecca	Riverside	15-Jul
WNV	Culex quinquefasciatus	7-Jul	GRLA	728	Los Angeles	Los Angeles	15-Jul

California Arbovirus Surveillance Bulletin # 14

Week 29 Friday, July 23, 2004

Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WNV	Culex tarsalis	6-Jul	GRLA	704	Whittier Narrows	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	709	South El Monte	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	710	Pico Rivera	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	711	Pico Rivera	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	713	South El Monte	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	714	South El Monte	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	715	South El Monte	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	716	City of Industry	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	717	Montebello	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	718	Whittier Narrows	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	1463	Los Angeles	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	1467	Los Angeles	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	6-Jul	GRLA	1474	Los Angeles	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	7-Jul	GRLA	1483	Los Angeles	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	7-Jul	GRLA	1485	Los Angeles	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	729	Rowland Heights	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	730	Rowland Heights	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	731	Rowland Heights	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	732	Rowland Heights	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	733	Rowland Heights	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	734	Rowland Heights	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	735	Rowland Heights	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	737	Rowland Heights	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	738	Rowland Heights	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	739	Diamond Bar	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	742	Diamond Bar	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	8-Jul	GRLA	744	Rowland Heights	Los Angeles	15-Jul
WNV	Culex tarsalis	8-Jul	IMPR	234	Seeley	Imperial	13-Jul
WNV	Culex tarsalis	7-Jul	IMPR	221	Seeley	Imperial	13-Jul
WNV	Culex tarsalis	7-Jul	IMPR	225	Seeley	Imperial	13-Jul
WNV	Culex tarsalis	13-Jul	IMPR	237	Seeley	Imperial	15-Jul
WNV	Culex tarsalis	13-Jul	IMPR	238	Bard	Imperial	15-Jul
WNV	Culex tarsalis	13-Jul	IMPR	242	Arvin	Imperial	15-Jul
WNV	Culex tarsalis	30-Jun	KERN	129	Bakersfield	Kern	8-Jul
WNV	Culex quinquefasciatus	1-Jul	KERN	147	Bakersfield	Kern	8-Jul
WNV	Culex quinquefasciatus	9-Jul	KERN	169	Bakersfield	Kern	14-Jul
WNV	Culex quinquefasciatus	29-Jun	LONG	160	Long Beach	Los Angeles	9-Jul
WNV	Culex tarsalis	7-Jul	LONG	177	Long Beach	Los Angeles	9-Jul
WNV	Culex tarsalis	8-Jul	NWST	300	Norco	Riverside	14-Jul
WNV	Culex tarsalis	8-Jul	NWST	302	Corona	Riverside	14-Jul
WNV	Culex tarsalis	8-Jul	NWST	312	Riverside	Riverside	14-Jul
WNV	Culex quinquefasciatus	29-Jun	ORCO	910	Fullerton	Orange	13-Jul
WNV	Culex quinquefasciatus	6-Jul	ORCO	984	Fullerton	Orange	13-Jul
WNV	Culex tarsalis	29-Jun	ORCO	917	Huntington Beach	Orange	13-Jul
WNV	Culex quinquefasciatus	30-Jun	ORCO	942	Cypress	Orange	13-Jul
WNV	Culex quinquefasciatus	7-Jul	ORCO	998	Brea	Orange	13-Jul
WNV	Culex quinquefasciatus	7-Jul	ORCO	994	Brea	Orange	13-Jul
WNV	Culex quinquefasciatus	7-Jul	ORCO	1014	Cypress	Orange	13-Jul

California Arbovirus Surveillance Bulletin # 14

Week 29 Friday, July 23, 2004

Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WNV	Culex quinquefasciatus	7-Jul	ORCO	1010	Anaheim	Orange	13-Jul
WNV	Culex stigmatosoma	7-Jul	ORCO	1013	Anaheim	Orange	13-Jul
WNV	Culex quinquefasciatus	30-Jun	ORCO	951	Buena Park	Orange	13-Jul
WNV	Culex quinquefasciatus	7-Jul	ORCO	1015	Buena Park	Orange	13-Jul
WNV	Culex quinquefasciatus	7-Jul	ORCO	1016	Buena Park	Orange	13-Jul
WNV	Culex quinquefasciatus	29-Jun	ORCO	906	Fullerton	Orange	13-Jul
WNV	Culex quinquefasciatus	29-Jun	ORCO	907	Fullerton	Orange	13-Jul
WNV	Culex tarsalis	12-Jul	TRLK	101	Modesto	Stanislaus	15-Jul
WNV	Culex quinquefasciatus	6-Jul	WVAL	161	Ontario	San Bernardino	9-Jul
WNV	Culex quinquefasciatus	12-Jul	WVAL	180	Ontario	San Bernardino	15-Jul
WNV	Culex quinquefasciatus	6-Jul	WVAL	156	Ontario	San Bernardino	9-Jul
WNV	Culex quinquefasciatus	6-Jul	WVAL	157	Ontario	San Bernardino	9-Jul
WNV	Culex tarsalis	12-Jul	WVAL	183	Chino	San Bernardino	15-Jul
WNV	Culex quinquefasciatus	12-Jul	WVAL	184	Chino	San Bernardino	15-Jul
WNV	Culex erythrothorax	12-Jul	WVAL	185	Chino	San Bernardino	15-Jul
WNV	Culex erythrothorax	12-Jul	WVAL	186	Chino	San Bernardino	15-Jul
WNV	Culex tarsalis	6-Jul	WVAL	152	Chino	San Bernardino	9Jul
WNV	Culex quinquefasciatus	12-Jul	WVAL	174	Ontario	San Bernardino	15-Jul
WNV	Culex quinquefasciatus	30-Jun	WVAL	117	Chino	San Bernardino	9Jul
WNV	Culex quinquefasciatus	30-Jun	WVAL	118	Chino	San Bernardino	9Jul
WNV	Culex quinquefasciatus	30-Jun	WVAL	120	Chino	San Bernardino	9Jul
WNV	Culex quinquefasciatus	1-Jul	WVAL	137	Chino	San Bernardino	9Jul
WNV	Culex quinquefasciatus	1-Jul	WVAL	142	Chino	San Bernardino	9Jul
WNV	Culex stigmatosoma	7-Jul	WVAL	162	Chino	San Bernardino	15-Jul
WNV	Culex quinquefasciatus	12-Jul	WVAL	170	Chino	San Bernardino	15-Jul
WNV	Culex quinquefasciatus	12-Jul	WVAL	171	Chino	San Bernardino	15-Jul
WNV	Culex quinquefasciatus	7-Jul	WVAL	165	Chino	San Bernardino	15-Jul
WNV	Culex stigmatosoma	6-Jul	WVAL	158	Ontario	San Bernardino	9Jul
WNV	Culex stigmatosoma	6-Jul	WVAL	159	Ontario	San Bernardino	9Jul
WNV	Culex quinquefasciatus	7-Jul	WVAL	163	Ontario	San Bernardino	15-Jul
WNV	Culex stigmatosoma	12Jul	WVAL	182	Ontario	San Bernardino	15-Jul

Dead Birds Tested Positive for WNV last week

Species	County	City	Zip Code	Date Collected	Date Tested
American Crow	Riverside	Moreno Valley	92557	6/28/2004	7/13/2004
Western Scrub-Jay	San Bernardino	Alta Loma	91701	6/24/2004	7/13/2004
American Crow	Los Angeles	Mission Hills	91345	6/25/2004	7/13/2004
American Crow	Los Angeles	North Hills	91343	6/23/2004	7/13/2004
American Crow	Riverside	Riverside	92518	6/25/2004	7/13/2004
American Crow	Los Angeles	Los Angeles	90032	6/24/2004	7/13/2004
American Crow	Los Angeles	El Monte	91733	7/1/2004	7/13/2004
American Crow	Los Angeles	Whittier	90605	6/24/2004	7/13/2004
American Crow	Los Angeles	Covina	91722	6/24/2004	7/13/2004
American Crow	Los Angeles	Inglewood	90305	6/28/2004	7/13/2004
American Crow	Riverside	Moreno Valley	92555	6/29/2004	7/13/2004
American Crow	San Bernardino	Alta Loma	91701	6/22/2004	7/13/2004
American Crow	San Bernardino	Alta Loma	91701	7/1/2004	7/13/2004
American Crow	Los Angeles	Granada Hills	91344	6/24/2004	7/13/2004

California Arbovirus Surveillance Bulletin # 14

Week 29 Friday, July 23, 2004

Species	County	City	Zip Code	Date Collected	Date Tested
American Crow	Riverside	Banning	92220	6/28/2004	7/13/2004
American Crow	Riverside	Moreno Valley	92557	7/1/2004	7/13/2004
American Crow	Los Angeles	Lakewood	90713	7/1/2004	7/13/2004
American Crow	Riverside	San Jacinto	92583	6/30/2004	7/13/2004
American Crow	Orange	Anaheim	92806	6/29/2004	7/13/2004
American Crow	Los Angeles	Lakewood	90713	6/30/2004	7/13/2004
American Crow	Los Angeles	Lakewood	90713	7/1/2004	7/13/2004
American Crow	Riverside	Moreno Valley	92557	6/24/2004	7/13/2004
American Crow	Los Angeles	Lakewood	90712	7/2/2004	7/13/2004
American Crow	Los Angeles	Long Beach	90807	6/30/2004	7/13/2004
American Crow	Los Angeles	Pico Rivera	90660	7/2/2004	7/13/2004
American Crow	Riverside	Moreno Valley	92555	6/30/2004	7/13/2004
American Crow	Los Angeles	Van Nuys	91405	6/30/2004	7/13/2004
American Crow	Los Angeles	Panorama City	91402	6/30/2004	7/13/2004
American Crow	Riverside	San Jacinto	92582	6/29/2004	7/13/2004
American Crow	Los Angeles	Northridge	91330	7/1/2004	7/13/2004
Western Scrub-Jay	Los Angeles	Sylmar	91342	6/30/2004	7/13/2004
American Crow	Los Angeles	Van Nuys	91405	6/27/2004	7/13/2004
American Crow	Los Angeles	Van Nuys	91406	7/2/2004	7/13/2004
American Crow	Los Angeles	Van Nuys	91406	6/28/2004	7/13/2004
American Crow	Los Angeles	Long Beach	90810	6/30/2004	7/13/2004
American Crow	Los Angeles	Van Nuys	91406-	7/5/2004	7/13/2004
American Crow	Los Angeles	Lakewood	90712	6/30/2004	7/13/2004
American Crow	Los Angeles	Norwalk	90650	7/1/2004	7/13/2004
American Crow	Los Angeles	Arleta	91331	6/30/2004	7/13/2004
American Crow	Los Angeles	Bellflower	90706	6/30/2004	7/13/2004
American Crow	Los Angeles	Playa Del Rey	90293	6/30/2004	7/13/2004
American Crow	Los Angeles	Pico Rivera	90660	6/28/2004	7/13/2004
American Crow	Los Angeles	Inglewood	90302	6/27/2004	7/13/2004
American Crow	Los Angeles	Burbank	91504	6/30/2004	7/13/2004
American Crow	Los Angeles	Burbank	91504	6/29/2004	7/13/2004
American Crow	Riverside	Riverside	92507	6/28/2004	7/13/2004
American Crow	Los Angeles	Burbank	91501	7/3/2004	7/13/2004
American Crow	San Bernardino	Chino Hills	91709	6/29/2004	7/13/2004
American Crow	San Bernardino	Chino Hills	91709	7/3/2004	7/13/2004
American Crow	Los Angeles	Monterey Park	91754	7/6/2004	7/13/2004
American Crow	Los Angeles	Woodland Hills	91367	7/5/2004	7/13/2004
American Crow	Riverside	Nuevo	92567	6/30/2004	7/13/2004
American Crow	Los Angeles	Walnut	91789	7/1/2004	7/13/2004
American Crow	Los Angeles	Valley Village	91607	7/1/2004	7/13/2004
American Crow	Los Angeles	Lakewood	90713	6/30/2004	7/13/2004
American Crow	Los Angeles	Lakewood	90713	7/1/2004	7/13/2004
American Crow	Los Angeles	Burbank	91506	7/1/2004	7/13/2004
American Crow	Los Angeles	Los Angeles	90046	6/30/2004	7/13/2004
American Crow	Riverside	Nuevo	92567	7/6/2004	7/13/2004
American Crow	Los Angeles	Pico Rivera	90660	7/2/2004	7/13/2004
American Crow	Los Angeles	Norwalk	90650	6/7/2004	7/13/2004
American Crow	Los Angeles	Pico Rivera	90660	6/30/2004	7/13/2004

California Arbovirus Surveillance Bulletin # 14

Week 29 Friday, July 23, 2004

Species	County	City	Zip Code	Date Collected	Date Tested
American Crow	Los Angeles	Norwalk	90650	7/4/2004	7/13/2004
American Crow	Riverside	San Jacinto	92582	6/30/2004	7/13/2004
American Crow	Los Angeles	Pico Rivera	90660	6/30/2004	7/13/2004
American Crow	Los Angeles	South Gate	90280	6/22/2004	7/13/2004
American Crow	Riverside	Moreno Valley	92557	7/6/2004	7/13/2004
American Crow	Riverside	Riverside	92505	6/23/2004	7/13/2004
American Crow	Los Angeles	Whittier	90601	6/30/2004	7/13/2004
American Crow	Los Angeles	Van Nuys	91436	7/2/2004	7/13/2004
American Crow	San Bernardino	Rialto	92376	7/2/2004	7/13/2004
American Crow	Los Angeles	Van Nuys	91406	6/29/2004	7/13/2004
American Crow	Los Angeles	Granada Hills	91344	7/1/2004	7/13/2004
American Crow	Los Angeles	North Hollywood	91605	7/2/2004	7/13/2004
American Crow	San Bernardino	Chino Hills	91709	6/30/2004	7/13/2004
American Crow	San Bernardino	Chino Hills	91709	6/30/2004	7/13/2004
American Crow	Los Angeles	Inglewood	90302	7/6/2004	7/13/2004
American Crow	Los Angeles	Van Nuys	91401	6/29/2004	7/13/2004
American Crow	Los Angeles	Glendale	91201	7/2/2004	7/13/2004
American Crow	Los Angeles	Hidden Hills	91302	6/25/2004	7/13/2004
American Crow	Riverside	Moreno Valley	92551	7/2/2004	7/13/2004
American Crow	Los Angeles	Los Angeles	90039	6/30/2004	7/13/2004
American Crow	Los Angeles	Bellflower	90706	6/29/2004	7/13/2004
American Crow	Los Angeles	Pico Rivera	90660	7/1/2004	7/13/2004
American Crow	Los Angeles	South El Monte	91733	7/2/2004	7/13/2004
American Crow	Los Angeles	San Fernando	91340	6/30/2004	7/13/2004
American Crow	Los Angeles	Sun Valley	91352	7/1/2004	7/13/2004
American Crow	Los Angeles	Los Angeles	90039	7/4/2004	7/13/2004
American Crow	Los Angeles	Mission Hills	91345	7/5/2004	7/13/2004
American Crow	Ventura	Simi Valley	93065	7/2/2004	7/13/2004
Western Scrub-Jay	Kern	Bakersfield	93314	6/22/2004	7/16/2004
American Crow	Santa Clara	San Jose	95148	6/28/2004	7/20/2004

National Comments:

As of July 20, 2004, West Nile Virus (WNV) activity has been detected in 35 states and Puerto Rico. South Carolina and New York City reported their first WNV activity this week. One-hundred eighty-nine human WNV cases have been reported in 11 states and New York City: Arizona (125), California (35), Colorado (12), Florida (4), Iowa (1), Michigan (1), Nebraska (1), New Mexico (4), New York City (1), South Dakota (2), Texas (2), and Wyoming (1). At this time in 2003, there were 11 cases reported from 7 states. There have been five fatalities WNV-related fatalities nationwide in 2004: Arizona (2), Iowa (1), Texas (1), and California.

California Arbovirus Surveillance Bulletin # 14

Week 29 Friday, July 23, 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].