

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

Weekly Summary

Comments:

Humans:

As of August 26, 2005, 370 human West Nile virus (WNV) infections have been identified from the following local health jurisdictions: Butte (10), Contra Costa (2), Fresno (35), Glenn (3), Kern (31), Kings (21), Los Angeles (11), Madera (1), Merced (2), Orange (4), Placer (8), Plumas (1), Riverside (43), Sacramento (83), San Bernardino (13), San Diego (1), San Francisco (1), San Joaquin (9), Santa Clara (1), Solano (1), Sonoma (1), Stanislaus (46), Sutter (3), Tulare (31), Ventura (1), Yolo (6), and Yuba (1). Fifty-two of the 370 infections were initially detected in asymptomatic individuals through screening done at blood banks - twenty-two 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 338 WNV cases with symptoms, 117 are classified as West Nile neuroinvasive disease cases, 192 are classified as West Nile fever, and 29 are of unknown clinical presentation. The median age for all symptomatic cases where data is available is 50 years (range: 2-93 years). 200 (59%) of the cases are male. There have been 8 WNV-related fatalities to date in California this year, from Butte (1), Fresno (2), Kings (1), Riverside (2), Sacramento (1), and San Joaquin (1) counties.

Horses:

The California Department of Food & Agriculture reported 68 new confirmed cases of equine WNV in Amador (1), Butte (1), Calaveras (1), Contra Costa (1), Fresno (3), Lake (5), Madera (4), Mariposa (1), Merced (2), Placer (6), Riverside (5), Sacramento (5), San Bernardino (1), San Joaquin (2), San Luis Obispo (4), Santa Barbara (1), Solano (4), Stanislaus (13), Tulare (1), Ventura (4), Yolo (1), and Yuba (2) counties. These were the first WNV positive horses in Lake and Mariposa counties. The YTD total for the State is 277.

Dead Birds:

This week the hotline received 6,072 dead bird reports, for a YTD total of 83,434 reports. 232 out of 359 (64.6%) dead birds collected from 45 counties tested positive for WNV this week.

- 170 out of 294 (57.8%) dead birds tested positive via RT-PCR.
- 44 out of 47 (93.6%) corvids tested positive via VecTest.
- 18 out of 18 (100 %) corvids tested positive via RAMP.

The WNV positive dead birds were collected from the following counties: Alameda (3); Amador (2); Butte (13); Calaveras (1); Contra Costa (7); El Dorado (5); Fresno (5); Glenn (6); Inyo (1); Kern (5); Kings (1); Lake (3); Lassen (1); Los Angeles (7); Madera (2); Marin (1); Mariposa (1); Mendocino (5); Merced (10); Napa (6); Nevada (2); Placer (13); Riverside (2); Sacramento (5); San Bernardino (10); San Diego (12); San Joaquin (1); San Luis Obispo (1); Santa Barbara (6); Santa Clara (11); Shasta (4); Solano (4); Sonoma (7); Stanislaus (33); Tehama (6); Tulare (14); Tuolumne (4); and Ventura (12). **This is the first indication of WNV activity in Lassen County in 2005.**

The following bird species tested positive for WNV: American crow (88); American robin (3); Anna's hummingbird (1); barn owl (1); Brewer's blackbird (1); California quail (1); Canadian goose (1); chukar (1); common raven (2); house finch (11); house sparrow (3); lesser goldfinch (4); mourning dove (5); oak titmouse (1); pacific parrotlet (1); red-tailed hawk (1); Steller's jay (2); unknown (1); western bluebird (1); western kingbird (1); western scrub-jay (65); white-breasted nuthatch (1); and yellow-billed magpie (36). See "WNV Positive Dead Birds" table for details.

Since January 1, 2005, 1,734 of 6,274 (27.6%) dead birds have tested positive for WNV.

Mosquito Pools:

WNV: CVEC reported 109 WNV positive mosquito pools from the following counties: Fresno (2), Imperial (1), Kern (28), Kings (2), Lake (5), Los Angeles (12), Merced (5), Orange (5), Riverside (6), Sacramento (8), San Bernardino (3), San Luis Obispo (1), Stanislaus (26), Sutter (1), Tulare (2), and Yolo (2). This was the first mosquito activity detected in San Luis Obispo County in 2005. The YTD total for the State is 917.

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

RAMP slurries from TRLK 590, 597, 602, 606, 608, 609, 615, 624, 626, 627, 633-638, 640, 648, 660, 668, 675, and 681-685 were WNV positive.

WEE: CVEC also reported one positive WEE pool in Kern county. This pool (WEST 283) is also WNV positive. The YTD for the State is 31.

Sentinel Chickens: WNV: VRDL reported 33 seroconversions among 12 flocks from Los Angeles (4), Riverside (8), San Bernardino (11), San Joaquin (8), Tulare (1) and Yolo (1) counties. The current YTD total stands at 251 seroconversions. Additionally, 55 flavivirus positive seroconversions that are being sent to VRDL for confirmation

WEE: VRDL reported 1 WEE seroconversion in a flock from Riverside County. The current YTD stands at 85 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.

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	115	0	105	0	0	0	0	0	0
	YTD	1206	0	370	0	0	0	0	0	0
Horses Tested	Week	68	0	68	0	0	0	0	0	0
	YTD	746	0	277	0	0	0	0	0	0

Dead Birds

	Number Tested	WNV Positive
Week	359	232
YTD	6,274	1,734

Sentinel Chickens and Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive	Other Positive
	YTD	22524	251	85	0	0
Mosquito pools	Week	644	109	1	0	0
	YTD	14056	917	31	0	0

*Total has been adjusted to include local agency submission

Human Positives Reported (August 22 – August 26):

Virus	Onset Date	Status	Diagnosis	County	Age
WNV	8/4/2005	Probable	West Nile Fever*	Riverside	54
WNV	8/9/2005	Probable	West Nile Neuroinvasive Disease	Riverside	73
WNV	7/24/2005	Probable	West Nile Neuroinvasive Disease	Riverside	23
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Riverside	85
WNV	7/28/2005	Probable	West Nile Neuroinvasive Disease	Riverside	57
WNV	6/15/2005	Probable	West Nile Fever	Riverside	23

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

WNV	7/31/2005	Probable	West Nile Fever	Riverside	42
WNV	8/1/2005	Probable	West Nile Fever	Sacramento	57
WNV	8/5/2005	Probable	West Nile Fever	Sacramento	73
WNV	8/8/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	51
WNV	8/10/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	75
WNV	8/12/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	39
WNV	8/9/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	90
WNV	8/7/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	58
WNV	8/7/2005	Probable	West Nile Fever	Sacramento	77
WNV	8/7/2005	Probable	West Nile Fever	Sacramento	31
WNV	8/2/2005	Probable	West Nile Fever	Sacramento	74
WNV	8/10/2005	Probable	West Nile Fever	Sacramento	59
WNV	8/9/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	18
WNV	8/5/2005	Probable	West Nile Fever	San Joaquin	71
WNV	8/4/2005	Probable	West Nile Fever	San Joaquin	44
WNV	8/2/2005	Probable	West Nile Neuroinvasive Disease	Stanislaus	31
WNV	Unk	Probable	West Nile Fever	Stanislaus	25
WNV	Unk	Probable	West Nile Fever	Stanislaus	43
WNV	8/1/2005	Probable	West Nile Fever	Stanislaus	43
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Stanislaus	48
WNV	8/16/2005	Probable	West Nile Fever *	Stanislaus	57
WNV	8/3/2005	Probable	West Nile Fever	Stanislaus	60
WNV	8/8/2005	Probable	West Nile Fever	Stanislaus	50
WNV	Unk	Probable	West Nile Fever	Stanislaus	32
WNV	8/8/2005	Probable	West Nile Fever	Stanislaus	42
WNV	8/3/2005	Probable	West Nile Neuroinvasive Disease	Sonoma	58
WNV	8/2/2005	Probable	West Nile Fever	Placer	n/a
WNV	n/a	Probable	Unknown	Glenn	n/a
WNV	8/4/2005	Probable	West Nile Fever	San Joaquin	35
WNV	8/2/2005	Probable	West Nile Fever *	San Joaquin	61
WNV	8/11/2005	Probable	West Nile Neuroinvasive Disease	San Joaquin	73
WNV	7/1/2005	Probable	West Nile Fever	Kings	<18
WNV	8/10/2005	Probable	West Nile Neuroinvasive Disease	Tulare	25
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Tulare	81
WNV	7/29/2005	Probable	West Nile Neuroinvasive Disease	Tulare	76
WNV	8/8/2005	Probable	West Nile Fever	Tulare	47
WNV	8/3/2005	Probable	West Nile Neuroinvasive Disease	Tulare	50
WNV	n/a	Probable	Unknown	Yuba	n/a
WNV	8/13/2005	Probable	West Nile Neuroinvasive Disease	Tulare	47
WNV	8/14/2005	Probable	West Nile Neuroinvasive Disease	Tulare	72
WNV	8/1/2005	Probable	West Nile Fever	Tulare	44
WNV	Unk	Probable	West Nile Fever	Fresno	77
WNV	8/11/2005	Probable	Unknown	Fresno	38
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Fresno	>65
WNV	8/9/2005	Probable	Unknown	Fresno	69

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

WNV	8/9/2005	Probable	Unknown	Fresno	59
WNV	8/5/2005	Probable	West Nile Fever	Riverside	70
WNV	7/29/2005	Probable	West Nile Fever	Riverside	61
WNV	7/19/2005	Probable	West Nile Fever	Riverside	50
WNV	7/21/2005	Probable	West Nile Fever	Stanislaus	64
WNV	8/10/2005	Probable	West Nile Neuroinvasive Disease	Stanislaus	68
WNV	8/12/2005	Probable	West Nile Fever	Stanislaus	52
WNV	8/10/2005	Probable	West Nile Fever	Stanislaus	39
WNV	8/14/2005	Probable	West Nile Fever	Stanislaus	77
WNV	8/17/2005	Probable	West Nile Neuroinvasive Disease	Stanislaus	44
WNV	07/xx/05	Probable	West Nile Fever	Contra Costa	32
WNV	8/17/2005	Probable	West Nile Fever	Sacramento	44
WNV	7/20/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	46
WNV	8/5/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	19
WNV	8/1/2005	Probable	West Nile Fever	Sacramento	50
WNV	8/10/2005	Probable	West Nile Fever	Sacramento	47
WNV	8/1/2005	Probable	West Nile Fever	Sacramento	35
WNV	8/7/2005	Probable	West Nile Fever	Sacramento	25
WNV	8/16/2005	Probable	West Nile Fever	Sacramento	44
WNV	8/5/2005	Probable	West Nile Fever	Sacramento	35
WNV	8/10/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	70
WNV	Unk	Probable	West Nile Fever	Sacramento	64
WNV	8/2/2005	Probable	West Nile Fever	Sacramento	65
WNV	8/5/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	45
WNV	Week 31	Probable	West Nile Fever	Yolo	>18
WNV	Week 31	Probable	West Nile Neuroinvasive Disease	Yolo	>18
WNV	8/11/2005	Probable	West Nile Neuroinvasive Disease	Butte	>18
WNV	Unk	Probable	West Nile Fever	Butte	>18
WNV	8/11/2005	Probable	West Nile Fever	Butte	<18
WNV	8/9/2005	Probable	West Nile Neuroinvasive Disease	Los Angeles	60
WNV	8/6/2005	Probable	West Nile Neuroinvasive Disease	Los Angeles	46
WNV	8/15/2005	Probable	West Nile Fever	Los Angeles	39
WNV	8/15/2005	Probable	West Nile Fever	Los Angeles	44
WNV	8/8/2005	Probable	West Nile Neuroinvasive Disease	Kern	16
WNV	8/7/2005	Probable	West Nile Fever	Kern	21
WNV	8/5/2005	Probable	West Nile Neuroinvasive Disease	Kern	77
WNV	Unk	Probable	Unknown	Kern	44
WNV	n/a	Probable	West Nile Neuroinvasive Disease	Plumas	>18
WNV	7/31/2005	Probable	West Nile Fever *	Placer	>18
WNV	7/29/2005	Probable	West Nile Fever	Placer	>18
WNV	7/31/2005	Probable	West Nile Fever	Placer	>18
WNV	7/19/2005	Probable	Unknown	Fresno	65
WNV	7/31/2005	Probable	West Nile Fever	Fresno	66
WNV	8/18/2005	Probable	West Nile Fever	Fresno	80
WNV	8/14/2005	Probable	West Nile Neuroinvasive Disease	Fresno	49

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

WNV	8/12/2005	Probable	West Nile Neuroinvasive Disease	Fresno	60
WNV	8/4/2005	Probable	West Nile Fever	Fresno	25
WNV	8/10/2005	Probable	West Nile Fever *	San Diego	47
WNV	Unk	Probable	West Nile Neuroinvasive Disease	San Bernardino	43
WNV	Unk	Probable	Unknown	San Bernardino	56
WNV	8/1/2005	Probable	West Nile Neuroinvasive Disease	San Bernardino	58
WNV	7/9/2005	Probable	West Nile Fever	San Bernardino	47
WNV	Unk	Probable	Unknown	San Bernardino	69
WNV	n/a	Probable	Asymptomatic Blood Donor	Fresno	21
WNV	n/a	Probable	Asymptomatic Blood Donor	Tulare	19

Bolded entries refer to fatalities.

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

Virus Isolations From Mosquito Pools:

Virus	Mosquito Species	Date Collected	Agency Site	Pool #	County	City	Date Received
WN	Cx tarsalis	8/23/05	ANTV3166	37	Los Angeles	Palmdale	8/25/05
WN	Cx quinquefasciatus	8/17/05	CNSL5011	246	Fresno	Kingsburg	8/24/05
WN	Cx quinquefasciatus	8/17/05	CNSL2009	248	Fresno	Sanger	8/24/05
WN	Cx tarsalis	8/16/05	COAV0010	2229	Riverside	Thermal	8/24/05
WN	Cx quinquefasciatus	8/18/05	COAV0208	2243	Riverside	Palm Springs	8/24/05
WN	Cx quinquefasciatus	8/18/05	COAV0302	2245	Riverside	Rancho Mirage	8/24/05
WN	Cx quinquefasciatus	8/23/05	DLTA5354	88	Tulare	Visalia	8/24/05
WN	Cx quinquefasciatus	8/23/05	DLTA1352	92	Tulare	Dinuba	8/24/05
WN	Cx quinquefasciatus	8/19/05	GRLA2880	1265	Los Angeles	Long Beach	8/24/05
WN	Cx quinquefasciatus	8/17/05	GRLA2531	5848	Los Angeles	Chatsworth	8/24/05
WN	Cx quinquefasciatus	8/17/05	GRLA2969	5849	Los Angeles	Northridge	8/24/05
WN	Cx quinquefasciatus	8/17/05	GRLA2970	5850	Los Angeles	Winnetka	8/24/05
WN	Cx quinquefasciatus	8/17/05	GRLA2971	5851	Los Angeles	Winnetka	8/24/05
WN	Cx quinquefasciatus	8/17/05	GRLA2975	5852	Los Angeles	Winnetka	8/24/05
WN	Cx quinquefasciatus	8/17/05	GRLA2972	5853	Los Angeles	Winnetka	8/24/05
WN	Cx quinquefasciatus	8/17/05	GRLA2973	5854	Los Angeles	Winnetka	8/24/05
WN	Cx quinquefasciatus	8/17/05	GRLA2978	5856	Los Angeles	Santa Clarita	8/24/05
WN	Cx tarsalis	8/23/05	IMPR0002	232	Imperial	Seeley	8/25/05
WN	Cx quinquefasciatus	8/16/05	KERN0015	369	Kern	Pumpkin Center	8/22/05
WN	Cx tarsalis	8/16/05	KERN0015	371	Kern	Pumpkin Center	8/22/05
WN	Cx quinquefasciatus	8/17/05	KERN0029	378	Kern	Lamont	8/22/05
WN	Cx tarsalis	8/17/05	KERN0029	379	Kern	Lamont	8/22/05
WN	Cx tarsalis	8/17/05	KERN0031	380	Kern	Arvin	8/22/05
WN	Cx tarsalis	8/17/05	KERN0083	381	Kern	Arvin	8/22/05
WN	Cx quinquefasciatus	8/17/05	KERN2023	385	Kern	Arvin	8/22/05
WN	Cx quinquefasciatus	8/18/05	KERN0043	386	Kern	Shafter	8/22/05
WN	Cx quinquefasciatus	8/18/05	KERN0044	387	Kern	Shafter	8/22/05

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

WN	Cx quinquefasciatus	8/18/05	KERN2022	390	Kern	Shafter	8/22/05
WN	Cx quinquefasciatus	8/19/05	KERN2001	391	Kern	Bakersfield	8/22/05
WN	Cx quinquefasciatus	8/19/05	KERN2002	393	Kern	Bakersfield	8/22/05
WN	Cx quinquefasciatus	8/19/05	KERN2024	395	Kern	Bakersfield	8/22/05
WN	Cx quinquefasciatus	8/19/05	KERN2007	396	Kern	Bakersfield	8/22/05
WN	Cx quinquefasciatus	8/19/05	KERN2010	398	Kern	Bakersfield	8/22/05
WN	Cx quinquefasciatus	8/19/05	KERN2010	399	Kern	Bakersfield	8/22/05
WN	Cx quinquefasciatus	8/19/05	KERN2014	401	Kern	Bakersfield	8/22/05
WN	Cx quinquefasciatus	8/19/05	KERN2020	402	Kern	Bakersfield	8/22/05
WN	Cx quinquefasciatus	8/19/05	KERN2020	403	Kern	Bakersfield	8/22/05
WN	Cx quinquefasciatus	8/19/05	KERN2020	405	Kern	Bakersfield	8/22/05
WN	Cx tarsalis	8/16/05	KERN0091	5717	Kern	Lost Hills	8/22/05
WN	Cx tarsalis	8/16/05	KERN0038	5719	Kern	Shafter	8/22/05
WN	Cx quinquefasciatus	8/16/05	KERN0056	5726	Kern	Buttonwillow	8/22/05
WN	Cx quinquefasciatus	8/16/05	KERN0059	5729	Kern	Buttonwillow	8/22/05
WN	Cx quinquefasciatus	8/16/05	KERN0060	5731	Kern	Buttonwillow	8/22/05
WN	Cx quinquefasciatus	8/24/05	KNGS3009	19	Kings	Lemoore	8/25/05
WN	Cx quinquefasciatus	8/24/05	KNGS4002	20	Kings	Hanford	8/25/05
WN	Cx tarsalis	8/17/05	LAKE2002	225	Lake	Lower Lake	8/24/05
WN	Cx tarsalis	8/18/05	LAKE2001	226	Lake	Lower Lake	8/24/05
WN	Cx tarsalis	8/22/05	LAKE1004	229	Lake	Upper Lake	8/24/05
WN	Cx tarsalis	8/22/05	LAKE1101	232	Lake	Nice	8/24/05
WN	Cx stigmatosoma	8/22/05	LAKE1004	253	Lake	Upper Lake	8/24/05
WN	Cx quinquefasciatus	8/23/05	LONG0702	317	Los Angeles	Long Beach	8/25/05
WN	Cx quinquefasciatus	8/23/05	LONG0501	320	Los Angeles	Long Beach	8/25/05
WN	Cx pipiens	8/16/05	MERC0402	234	Merced	Hilmar	8/19/05
WN	Cx pipiens	8/16/05	MERC0402	239	Merced	Hilmar	8/19/05
WN	Cx pipiens	8/16/05	MERC0402	241	Merced	Hilmar	8/19/05
WN	Cx pipiens	8/16/05	MERC0404	244	Merced	Hilmar	8/19/05
WN	Cx pipiens	8/16/05	MERC0403	246	Merced	Hilmar	8/19/05
WN	Cx quinquefasciatus	8/16/05	ORCO0003	2574	Orange	Garden Grove	8/23/05
WN	Cx quinquefasciatus	8/16/05	ORCO0003	2575	Orange	Garden Grove	8/23/05
WN	Cx quinquefasciatus	8/16/05	ORCO0052	2579	Orange	Anaheim	8/23/05
WN	Cx quinquefasciatus	8/18/05	ORCO0058	2590	Orange	Laguna Niguel	8/23/05
WN	Cx stigmatosoma	8/18/05	ORCO0058	2591	Orange	Laguna Niguel	8/23/05
WN	Cx erythrothorax	8/23/05	RIVR0022	326	Riverside	Murrieta	8/25/05
WN	Cx erythrothorax	8/23/05	RIVR0022	328	Riverside	Murrieta	8/25/05
WN	Cx erythrothorax	8/23/05	RIVR0022	331	Riverside	Murrieta	8/25/05
WN	Cx quinquefasciatus	8/11/05	SANB0011	318	San Bernardino	Rialto	8/24/05
WN	Cx tarsalis	8/18/05	SANB0001	335	San Bernardino	Needles	8/24/05
WN	Cx quinquefasciatus	7/29/05	SANB0002	377	San Bernardino	Redlands	8/24/05
WN	Cx tarsalis	8/19/05	SAYO4122	904	Sacramento	Antelope	8/22/05
WN	Cx pipiens	8/19/05	SAYO4123	912	Sacramento	Fair Oaks	8/22/05
WN	Cx tarsalis	8/19/05	SAYO3182	937	Yolo	Zamora	8/22/05
WN	Cx tarsalis	8/20/05	SAYO4362	1004	Sacramento	Galt	8/22/05
WN	Cx tarsalis	8/19/05	SAYO4250	1020	Sacramento	Sacramento	8/22/05

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

WN	Cx tarsalis	8/19/05	SAYO4250	1021	Sacramento	Sacramento	8/22/05
WN	Cx tarsalis	8/19/05	SAYO4250	1023	Sacramento	Sacramento	8/22/05
WN	Cx erythrothorax	8/19/05	SAYO4250	1032	Sacramento	Sacramento	8/22/05
WN	Cx pipiens	8/20/05	SAYO2107	1034	Sacramento	Citrus Heights	8/23/05
WN	Cx pipiens	8/19/05	SAYO3287	5135	Yolo	Davis	8/24/05
WN	Cx tarsalis	8/19/05	SLOC0051	400	San Luis Obispo	Paso Robles	8/22/05
WN	Cx tarsalis	8/22/05	SUYA0014	261	Sutter	Sutter	8/23/05
WN	Cx pipiens	8/10/05	TRLK0516	590	Stanislaus	Denair	8/19/05
WN	Cx pipiens	8/11/05	TRLK0521	597	Stanislaus	Turlock	8/19/05
WN	Cx pipiens	8/11/05	TRLK0522	602	Stanislaus	Turlock	8/19/05
WN	Cx pipiens	8/11/05	TRLK0524	606	Stanislaus	Keyes	8/19/05
WN	Cx pipiens	8/11/05	TRLK0524	608	Stanislaus	Keyes	8/19/05
WN	Cx pipiens	8/15/05	TRLK0432	609	Stanislaus	Turlock	8/19/05
WN	Cx pipiens	8/15/05	TRLK0435	615	Stanislaus	Ceres	8/19/05
WN	Cx pipiens	8/15/05	TRLK9771	624	Stanislaus	Grayson	8/19/05
WN	Cx tarsalis	8/15/05	TRLK0305	626	Stanislaus	Grayson	8/19/05
WN	Cx tarsalis	8/15/05	TRLK0305	627	Stanislaus	Grayson	8/19/05
WN	Cx tarsalis	8/15/05	TRLK0310	633	Stanislaus	Grayson	8/19/05
WN	Cx tarsalis	8/15/05	TRLK0322	634	Stanislaus	Modesto	8/19/05
WN	Cx pipiens	8/16/05	TRLK0525	635	Stanislaus	Hughson	8/19/05
WN	Cx pipiens	8/16/05	TRLK0525	636	Stanislaus	Hughson	8/19/05
WN	Cx pipiens	8/16/05	TRLK0525	637	Stanislaus	Hughson	8/19/05
WN	Cx pipiens	8/16/05	TRLK0525	638	Stanislaus	Hughson	8/19/05
WN	Cx pipiens	8/19/05	TRLK0526	640	Stanislaus	Denair	8/24/05
WN	Cx pipiens	8/19/05	TRLK0526	648	Stanislaus	Denair	8/24/05
WN	Cx pipiens	8/19/05	TRLK0526	660	Stanislaus	Denair	8/24/05
WN	Cx pipiens	8/19/05	TRLK0526	668	Stanislaus	Denair	8/24/05
WN	Cx pipiens	8/22/05	TRLK0527	675	Stanislaus	Keyes	8/25/05
WN	Cx pipiens	8/22/05	TRLK0420	681	Stanislaus	Turlock	8/25/05
WN	Cx pipiens	8/22/05	TRLK0421	682	Stanislaus	Hughson	8/25/05
WN	Cx pipiens	8/22/05	TRLK0421	683	Stanislaus	Hughson	8/25/05
WN	Cx tarsalis	8/22/05	TRLK0421	684	Stanislaus	Hughson	8/25/05
WN	Cx pipiens	8/22/05	TRLK0421	685	Stanislaus	Hughson	8/25/05
WN	Cx tarsalis	8/18/05	WEST6206	277	Kern	Kern Water Bank	8/23/05
WN	Cx tarsalis	8/18/05	WEST6206	279	Kern	Kern Water Bank	8/23/05
WN	Cx tarsalis	8/18/05	WEST6206	283	Kern	Kern Water Bank	8/23/05
WEE	Cx tarsalis	8/18/05	WEST6206	283	Kern	Kern Water Bank	8/23/05

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

Chicken Seroconversions Reported by DHS:

Virus	Site Number	County	State	Nearest City	Location	Date Seroconverted	BAND 01	BAND 02	BAND 03	BAND 04	BAND 05	
WNV	LACW1007	Los Angeles	CA	Baldwin Hills	Baldwin Hills	8/10/05	3842					
WNV	LONG0004	Los Angeles	CA	Long Beach	Long Beach Marina Oil Fields	8/15/05	6782	6785	6788			
WNV	RIVR0004	Riverside	CA	Beaumont	Cherry Valley Fire Station	8/17/05	5218					
WNV	RIVR0006	Riverside	CA	Blythe	4th Avenue	8/18/05	5257	5260	5263			
WNV	COAV0204	Riverside	CA	Indio	York	8/15/05	0775					
WNV	NWST6666	Riverside	CA	Lake Elsinore	Lake Elsinore	8/16/05	6188					
WNV	COAV0200	Riverside	CA	Mecca	Mecca	8/15/05	8932	8934				
WNV	SAYO6003	Yolo	CA	Winters	Winters	8/2/05	6075					
****	WNV	SANB0003	San Bernardino	CA	Colton	Agua Mansa Flood Control	7/18/05	5022	5023	5024	5029	
WNV	SANB0002	San Bernardino	CA	Redlands	Treatment Plant	8/16/05	5015	5018				
****	WNV	SANB0006	San Bernardino	CA	Yucaipa	Yucaipa Regional Park	7/5/05	5041	5042	5046	5048	5049
WNV	SJCM9910	San Joaquin	CA	Walnut Grove	Staten Island	8/8/05	0193	0195	0196	0197	0202	
WNV	SJCM9910	San Joaquin	CA	Walnut Grove	Staten Island	8/8/05	199	200	201			
WNV	TLRE0012	Tulare	CA	Tulare	Turlock MAD	8/17/05	0541					
WEE	COAV0114	Riverside	CA	North Shore	Desert	8/15/05	8553					
Flav. +	IMPR0002	Imperial	CA	Seeley	Campbell's Site	8/16/05	5836	5838				
Flav. +	GRLA1003	Los Angeles	CA	Encino	Encino	8/15/05	7223	7227	7230			
Flav. +	GRLA1001	Los Angeles	CA	Harbor City	Machado Lake	8/15/05	7203					
Flav. +	ANTV5662	Los Angeles	CA	Lancaster	Lombardo	8/17/05	8842					
Flav. +	ANTV8656	Los Angeles	CA	Lancaster	Volmer	8/17/05	8819	8820	8821	8822	8824	
Flav. +	ANTV7947	Los Angeles	CA	Palmdale	PWD Headquater	8/17/05	8804	8805				
Flav. +	ORCO0006	Orange	CA	Irvine	San Joaquin WS	8/18/05	7452					
Flav. +	NWST9227	Riverside	CA	Highgrove	Center St	8/16/05	6166	6175				
Flav. +	RIVR0016	Riverside	CA	Lake Matthews	17221 Owl Tree St	8/17/05	5237	5241	5242	5243		
Flav. +	COAV0035	Riverside	CA	Mecca	Adohr	8/15/05	8867					
Flav. +	COAV0208	Riverside	CA	Niland	Mesquite	8/15/05	0726	0727	0762			
Flav. +	COAV5002	Riverside	CA	Niland	Bono Wild Life Reserve	8/15/05	0744					
Flav. +	COAV5003	Riverside	CA	Westmoreland	West Mo	8/15/05	0782	0783				

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

	Flav. +	WVAL0001	San Bernardino	CA	Chino	Kimball	8/15/05	5701					
	Flav. +	SANB0007	San Bernardino	CA	Fontana	Fontana 11 Senior Center	8/15/05	5052	5053	5054	5057	5060	
	Flav. +	WVAL0004	San Bernardino	CA	Ontario	4th street	8/15/05	1101	1102				
	Flav. +	SANB0011	San Bernardino	CA	Rialto	Rialto Frisbie Park Wash	8/16/05	5082	5084	5085	5090		
	Flav. +	SANB0008	San Bernardino	CA	Upland	Upland Crosswalls	8/15/05	5065	6953				
	Flav. +	SANB0009	San Bernardino	CA	Victorville	Mojave Narrows Regional Park	8/16/05	5074					
	Flav. +	DLTA1001	Tulare	CA	Kingsburg	Johnson, M&G	8/15/05	4959					
	Flav. +	MOOR0014	Ventura	CA	Moorpark	Maureen Lane	8/17/05	5947					
	Flav. +	PLCR0028	Placer	CA	Auburn	Auburn	8/22/2005	827					
	Flav. +	PLCR0027	Placer	CA	Loomis	Loomis	8/22/2005	842					
	Flav. +	SAYO7004	Sacramento	CA	Natomas	Natomas	8/23/2005	6003					
	Flav. +	SAYO7000	Sacramento	CA	Elk Grove	Elk Grove	8/23/2005	6022					
	Flav. +	SAYO7002	Sacramento	CA	Hood	Hood	8/23/2005	6031	6039				
	Flav. +	SAYO7001	Sacramento	CA	Galt	Galt	8/23/2005	6046	6047				
	Flav. +	SAYO6001	Yolo	CA	Knight Landing	Knight Landing	8/23/2005	6083	6089				

WNV Positive Dead Birds Reported (August 22-26)

Species	County	City	ZIP	Date Collected	Date Tested	Tested By
American Crow	Alameda	Hayward	94545	08/19/05	08/19/05	RAMP
American Crow	Butte	Chico	95928	08/12/05	08/22/05	RT-PCR
American Crow	Butte	Oroville	95965	08/11/05	08/22/05	RT-PCR
American Crow	Butte	Oroville	95965	08/15/05	08/22/05	RT-PCR
American Crow	Butte	Oroville	95965	08/16/05	08/22/05	RT-PCR
American Crow	Butte	Oroville	95965	08/16/05	08/16/05	VecTest
American Crow	Fresno	Reedley	93654	08/04/05	08/22/05	RT-PCR
American Crow	Fresno	Sanger	93657	08/04/05	08/22/05	RT-PCR
American Crow	Glenn	Willows	95988	08/08/05	08/22/05	RT-PCR
American Crow	Glenn	Willows	95988	08/08/05	08/22/05	RT-PCR
American Crow	Inyo	Bishop	93514	08/09/05	08/22/05	RT-PCR
American Crow	Kern	Lamont	93241	08/15/05	08/22/05	RT-PCR
American Crow	Kings	Lemoore	93245	08/14/05	08/22/05	RT-PCR
American Crow	Lake	Kelseyville	95451	08/16/05	08/16/05	VecTest
American Crow	Los Angeles	Malibu	90265	08/15/05	08/22/05	RT-PCR
American Crow	Los Angeles	Pomona	91766	08/04/05	08/22/05	RT-PCR
American Crow	Los Angeles	Santa Clarita	91350	08/10/05	08/22/05	RT-PCR
American Crow	Los Angeles	Valencia	91354	08/04/05	08/22/05	RT-PCR
American Crow	Madera	Madera	93637	08/12/05	08/22/05	RT-PCR
American Crow	Marin	Corte Madera	94925	08/15/05	08/15/05	RAMP
American Crow	Mendocino	Ukiah	95482	08/09/05	08/22/05	RT-PCR
American Crow	Mendocino	Ukiah	95482	08/15/05	08/22/05	RT-PCR
American Crow	Merced	Merced	95340	08/10/05	08/22/05	RT-PCR

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

American Crow	Merced	Merced	95340	08/11/05	08/22/05	RT-PCR
American Crow	Napa	Napa	94558	08/17/05	08/17/05	VecTest
American Crow	Napa	Napa	94558	08/18/05	08/18/05	VecTest
American Crow	Napa	Napa	94559	08/18/05	08/18/05	VecTest
American Crow	Placer	Loomis	95650	08/12/05	08/12/05	VecTest
American Crow	Placer	Newcastle	95658	08/15/05	08/15/05	VecTest
American Crow	Riverside	Norco	92860	08/17/05	08/22/05	RT-PCR
American Crow	Riverside	Riverside	92507	08/11/05	08/22/05	RT-PCR
American Crow	Sacramento	Elk Grove	95624	08/12/05	08/22/05	RT-PCR
American Crow	Sacramento	Elk Grove	95624	08/12/05	08/22/05	RT-PCR
American Crow	San Bernardino	Yucaipa	92399	08/10/05	08/10/05	VecTest
American Crow	San Bernardino	Redlands	92373	08/16/05	08/16/05	VecTest
American Crow	San Bernardino	Ontario	91762	08/09/05	08/09/05	RAMP
American Crow	San Bernardino	Montclair	91763	08/10/05	08/10/05	RAMP
American Crow	San Bernardino	Chino	91710	08/12/05	08/12/05	RAMP
American Crow	San Bernardino	Chino	91710	08/16/05	08/16/05	RAMP
American Crow	San Bernardino	Ontario	91764	08/17/05	08/17/05	RAMP
American Crow	San Diego	San Marcos	92078	08/16/05	08/22/05	RT-PCR
American Crow	San Diego	Alpine	91901	08/13/05	08/13/05	VecTest
American Crow	San Diego	Oceanside	92056	08/14/05	08/14/05	VecTest
American Crow	San Diego	El Cajon	92021	08/12/05	08/12/05	VecTest
American Crow	San Diego	San Diego	92123	08/17/05	08/17/05	VecTest
American Crow	San Diego	Poway	92064	08/18/05	08/18/05	VecTest
American Crow	San Diego	Ramona	92065	08/18/05	08/18/05	VecTest
American Crow	Santa Barbara	Carpinteria	93013	08/14/05	08/22/05	RT-PCR
American Crow	Santa Barbara	Carpinteria	93013	08/14/05	08/22/05	RT-PCR
American Crow	Santa Barbara	Carpinteria	93013	08/14/05	08/22/05	RT-PCR
American Crow	Santa Barbara	Goleta	93117	08/10/05	08/22/05	RT-PCR
American Crow	Santa Barbara	Goleta	93117	08/15/05	08/22/05	RT-PCR
American Crow	Santa Barbara	Santa Barbara	93101	08/16/05	08/22/05	RT-PCR
American Crow	Santa Clara	San Jose	95101	08/10/05	08/10/05	VecTest
American Crow	Santa Clara	San Jose	95123	08/10/05	08/10/05	VecTest
American Crow	Santa Clara	San Jose	95125	08/10/05	08/10/05	VecTest
American Crow	Santa Clara	Los Gatos	95032	08/11/05	08/11/05	VecTest
American Crow	Santa Clara	San Jose	95120	08/12/05	08/12/05	VecTest
American Crow	Santa Clara	San Jose	95123	08/12/05	08/12/05	VecTest
American Crow	Santa Clara	Campbell	95008	08/12/05	08/12/05	VecTest
American Crow	Santa Clara	San Jose	95123	08/16/05	08/16/05	VecTest
American Crow	Santa Clara	San Jose	95123	08/16/05	08/16/05	VecTest
American Crow	Santa Clara	San Jose	95123	08/16/05	08/16/05	VecTest
American Crow	Santa Clara	San Jose	95123	08/16/05	08/16/05	VecTest
American Crow	Shasta	Redding	96002	08/16/05	08/16/05	VecTest
American Crow	Shasta	Palo Cedro	96073	08/17/05	08/17/05	VecTest
American Crow	Sonoma	Santa Rosa	95405	08/12/05	08/12/05	RAMP
American Crow	Sonoma	Santa Rosa	95401	08/14/05	08/14/05	RAMP
American Crow	Sonoma	Healdsburg	95448	08/16/05	08/16/05	RAMP
American Crow	Sonoma	Santa Rosa	95402	08/17/05	08/17/05	RAMP
American Crow	Sonoma	Santa Rosa	95404	08/17/05	08/17/05	RAMP

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

American Crow	Stanislaus	Modesto	95356	08/11/05	08/22/05	RT-PCR
American Crow	Stanislaus	Modesto	95357	08/16/05	08/22/05	RT-PCR
American Crow	Stanislaus	Crows Landing	95313	08/15/05	08/15/05	VecTest
American Crow	Stanislaus	Modesto	95358	08/15/05	08/15/05	VecTest
American Crow	Tehama	Corning	96021	08/16/05	08/22/05	RT-PCR
American Crow	Tulare	Dinuba	93618	08/11/05	08/22/05	RT-PCR
American Crow	Tulare	Visalia	93292	08/14/05	08/22/05	RT-PCR
American Crow	Tulare	Visalia	93291	08/15/05	08/22/05	RT-PCR
American Crow	Ventura	Camarillo	93010	08/14/05	08/22/05	RT-PCR
American Crow	Ventura	Fillmore	93015	08/15/05	08/22/05	RT-PCR
American Crow	Ventura	Simi Valley	93065	08/04/05	08/22/05	RT-PCR
American Crow	Ventura	Simi Valley	93063	08/12/05	08/22/05	RT-PCR
American Crow	Ventura	Simi Valley	93063	08/15/05	08/22/05	RT-PCR
American Crow	Ventura	Simi Valley	93065	08/15/05	08/22/05	RT-PCR
American Crow	Ventura	Simi Valley	93063	08/16/05	08/22/05	RT-PCR
American Crow	Ventura	Simi Valley	93063	08/16/05	08/22/05	RT-PCR
American Crow	Ventura	Simi Valley	93065	08/17/05	08/22/05	RT-PCR
American Crow	Ventura	Ventura	93003	08/12/05	08/22/05	RT-PCR
American Robin	El Dorado	South Lake Tahoe	96150	08/10/05	08/22/05	RT-PCR
American Robin	Glenn	Willows	95988	08/11/05	08/22/05	RT-PCR
American Robin	Solano	Vacaville	95687	08/04/05	08/22/05	RT-PCR
Anna's Hummingbird	Tulare	Visalia	93292	08/05/05	08/22/05	RT-PCR
Barn Owl	Kern	Edwards	93524	08/08/05	08/22/05	RT-PCR
Brewer's Blackbird	Placer	Rocklin	95765	08/08/05	08/22/05	RT-PCR
California Quail	Sonoma	Cloverdale	95425	08/02/05	08/22/05	RT-PCR
Canada Goose	Tulare	Exeter	93221	08/10/05	08/22/05	RT-PCR
Chukar	Tulare	Terra Bella	93270	08/03/05	08/22/05	RT-PCR
Common Raven	Los Angeles	Castaic	91384	08/15/05	08/22/05	RT-PCR
Common Raven	Placer	Granite Bay	95746	08/12/05	08/12/05	VecTest
House Finch	Alameda	Fremont	94536	08/14/05	08/22/05	RT-PCR
House Finch	Contra Costa	Brentwood	94513	08/10/05	08/22/05	RT-PCR
House Finch	Contra Costa	Clayton	94517	08/03/05	08/22/05	RT-PCR
House Finch	El Dorado	Placerville	95667	08/12/05	08/22/05	RT-PCR
House Finch	Kern	Bakersfield	93311	08/12/05	08/22/05	RT-PCR
House Finch	Kern	Taft	93268	08/08/05	08/22/05	RT-PCR
House Finch	Napa	Napa	94558	08/05/05	08/22/05	RT-PCR
House Finch	Placer	Granite Bay	95746	08/10/05	08/22/05	RT-PCR
House Finch	San Bernardino	Yucaipa	92399	08/16/05	08/22/05	RT-PCR
House Finch	Tehama	Corning	96021	08/15/05	08/22/05	RT-PCR
House Finch	Tulare	Tulare	93274	08/10/05	08/22/05	RT-PCR
House Sparrow	San Bernardino	Chino	91710	08/12/05	08/22/05	RT-PCR
House Sparrow	Tulare	Visalia	93291	08/10/05	08/22/05	RT-PCR
House Sparrow	Tuolumne	Sonora	95370	08/04/05	08/22/05	RT-PCR
Lesser Goldfinch	Amador	Sutter Creek	95685	08/09/05	08/22/05	RT-PCR
Lesser Goldfinch	Contra Costa	Danville	94526	08/02/05	08/22/05	RT-PCR
Lesser Goldfinch	Nevada	Penn Valley	95946	08/11/05	08/22/05	RT-PCR

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

LesserGoldfinch	Tuolumne	Sonora	95370	08/02/05	08/22/05	RT-PCR
Mourning Dove	El Dorado	Somerset	95684	08/11/05	08/22/05	RT-PCR
Mourning Dove	Placer	Rocklin	95677	08/10/05	08/22/05	RT-PCR
Mourning Dove	Placer	Roseville	95747	08/09/05	08/22/05	RT-PCR
Mourning Dove	Stanislaus	Modesto	95354	08/12/05	08/22/05	RT-PCR
Mourning Dove	Tehama	Red Bluff	96080	08/16/05	08/22/05	RT-PCR
Oak Titmouse	Shasta	Cottonwood	96022	08/11/05	08/22/05	RT-PCR
Pacific Parrotlet	Los Angeles	Castaic	91384	08/18/05	08/22/05	RT-PCR
Red-Tailed Hawk	Stanislaus	Turlock	95380	08/11/05	08/22/05	RT-PCR
Steller's Jay	Mendocino	Ukiah	95482	08/14/05	08/22/05	RT-PCR
Steller's Jay	Placer	Tahoe City	96145	07/27/05	08/22/05	RT-PCR
Unknown	Alameda	Livermore	94550	08/04/05	08/22/05	RT-PCR
Western Bluebird	Tehama	Red Bluff	96080	08/14/05	08/22/05	RT-PCR
Western Kingbird	Butte	Chico	95928	08/03/05	08/22/05	RT-PCR
Western Scrub-Jay	Amador	Sutter Creek	95685	08/16/05	08/22/05	RT-PCR
Western Scrub-Jay	Butte	Biggs	95917	08/16/05	08/22/05	RT-PCR
Western Scrub-Jay	Butte	Gridley	95948	08/16/05	08/22/05	RT-PCR
Western Scrub-Jay	Butte	Oroville	95966	08/09/05	08/22/05	RT-PCR
Western Scrub-Jay	Butte	Oroville	95965	08/10/05	08/22/05	RT-PCR
Western Scrub-Jay	Butte	Oroville	95966	08/12/05	08/22/05	RT-PCR
Western Scrub-Jay	Calaveras	Copperopolis	95228	08/08/05	08/22/05	RT-PCR
Western Scrub-Jay	Contra Costa	Discovery Bay	94514	08/11/05	08/22/05	RT-PCR
Western Scrub-Jay	Contra Costa	Brentwood	94513	08/15/05	08/15/05	RAMP
Western Scrub-Jay	Contra Costa	Antioch	94509	08/14/05	08/14/05	RAMP
Western Scrub-Jay	Contra Costa	Alamo	94507	08/15/05	08/15/05	RAMP
Western Scrub-Jay	El Dorado	Shingle Springs	95682	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	El Dorado	Cool	95614	08/18/05	08/18/05	VecTest
Western Scrub-Jay	Fresno	Tollhouse	93667	08/04/05	08/04/05	RAMP
Western Scrub-Jay	Fresno	Auberry	93602	08/08/05	08/08/05	RAMP
Western Scrub-Jay	Fresno	Sanger	93657	08/22/05	08/22/05	RAMP
Western Scrub-Jay	Glenn	Orland	95963	08/11/05	08/22/05	RT-PCR
Western Scrub-Jay	Kern	Bakersfield	93306	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Lake	Kelseyville	95451	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Lake	Middletown	95461	08/16/05	08/22/05	RT-PCR
Western Scrub-Jay	Lassen	Susanville	96130	08/16/05	08/16/05	VecTest
Western Scrub-Jay	Los Angeles	Santa Clarita	91355	08/16/05	08/22/05	RT-PCR
Western Scrub-Jay	Madera	Madera	93637	08/12/05	08/22/05	RT-PCR
Western Scrub-Jay	Mariposa	Mariposa	95338	08/11/05	08/22/05	RT-PCR
Western Scrub-Jay	Mendocino	Potter Valley	95469	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Mendocino	Redwood Valley	95470	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Merced	Atwater	95301	08/11/05	08/22/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95340	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95340	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Napa	Pope Valley	94567	08/17/05	08/17/05	VecTest
Western Scrub-Jay	Napa	Pope Valley	94567	08/19/05	08/19/05	VecTest
Western Scrub-Jay	Nevada	Grass Valley	95945	08/12/05	08/22/05	RT-PCR
Western Scrub-Jay	Placer	Auburn	95603	08/03/05	08/22/05	RT-PCR

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

Western Scrub-Jay	Placer	Rocklin	95677	08/07/05	08/22/05	RT-PCR
Western Scrub-Jay	Placer	Roseville	95678	08/09/05	08/22/05	RT-PCR
Western Scrub-Jay	Placer	Auburn	95602	08/12/05	08/12/05	VecTest
Western Scrub-Jay	Sacramento	Elk Grove	95758	08/11/05	08/22/05	RT-PCR
Western Scrub-Jay	Sacramento	Sacramento	95825	08/10/05	08/22/05	RT-PCR
Western Scrub-Jay	San Bernardino	Yucaipa	92399	08/15/05	08/15/05	VecTest
Western Scrub-Jay	San Diego	Ramona	92065	08/13/05	08/13/05	VecTest
Western Scrub-Jay	San Diego	Fallbrook	92028	08/16/05	08/16/05	VecTest
Western Scrub-Jay	San Diego	Bonsall	92003	08/17/05	08/17/05	VecTest
Western Scrub-Jay	San Diego	Lakeside	92040	08/17/05	08/17/05	VecTest
Western Scrub-Jay	San Diego	Lakeside	92040	08/18/05	08/18/05	VecTest
Western Scrub-Jay	Santa Clara	San Jose	95123	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Shasta	Cottonwood	96022	08/16/05	08/16/05	VecTest
Western Scrub-Jay	Solano	Fairfield	94534	08/10/05	08/22/05	RT-PCR
Western Scrub-Jay	Sonoma	Santa Rosa	95401	08/09/05	08/22/05	RT-PCR
Western Scrub-Jay	Stanislaus	Ceres	95307	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Stanislaus	Denair	95316	08/11/05	08/22/05	RT-PCR
Western Scrub-Jay	Stanislaus	Modesto	95351	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Stanislaus	Modesto	95355	08/16/05	08/22/05	RT-PCR
Western Scrub-Jay	Stanislaus	Oakdale	95361	08/12/05	08/22/05	RT-PCR
Western Scrub-Jay	Stanislaus	Oakdale	95361	08/16/05	08/22/05	RT-PCR
Western Scrub-Jay	Stanislaus	Turlock	95380	08/10/05	08/22/05	RT-PCR
Western Scrub-Jay	Stanislaus	Turlock	95380	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Tehama	Red Bluff	96080	08/16/05	08/22/05	RT-PCR
Western Scrub-Jay	Tulare	Kingsburg	93631	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Tulare	Tulare	93274	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Tulare	Woodlake	93286	08/11/05	08/22/05	RT-PCR
Western Scrub-Jay	Tulare	Woodlake	93286	08/12/05	08/22/05	RT-PCR
Western Scrub-Jay	Tuolumne	Chinese Camp	95309	08/12/05	08/22/05	RT-PCR
Western Scrub-Jay	Tuolumne	Sonora	95370	08/16/05	08/22/05	RT-PCR
Western Scrub-Jay	Ventura	Moorpark	93021	08/15/05	08/22/05	RT-PCR
Western Scrub-Jay	Ventura	Simi Valley	93065-	08/15/05	08/22/05	RT-PCR
White-Breasted Nuthatch	Butte	Oroville	95966	08/08/05	08/22/05	RT-PCR
Yellow-billed Magpie	Butte	Gridley	95948	08/10/05	08/22/05	RT-PCR
Yellow-billed Magpie	Glenn	Orland	95963	08/11/05	08/22/05	RT-PCR
Yellow-billed Magpie	Glenn	Orland	95963	08/11/05	08/22/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	08/09/05	08/22/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	08/10/05	08/22/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	08/11/05	08/22/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	08/16/05	08/22/05	RT-PCR
Yellow-billed Magpie	Merced	Livingston	95334	08/16/05	08/22/05	RT-PCR
Yellow-billed Magpie	Placer	Rocklin	95677	08/09/05	08/22/05	RT-PCR
Yellow-billed Magpie	Sacramento	Galt	95632	08/12/05	08/22/05	RT-PCR
Yellow-billed Magpie	San Joaquin	Salida	95368	08/15/05	08/22/05	RT-PCR
Yellow-billed Magpie	San Luis Obispo	Atascadero	93422	08/02/05	08/22/05	RT-PCR
Yellow-billed Magpie	Solano	Vacaville	95688	08/04/05	08/22/05	RT-PCR
Yellow-billed Magpie	Solano	Vacaville	95688	08/04/05	08/22/05	RT-PCR

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

Yellow-billed Magpie	Stanislaus	Ceres	95307	08/10/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Ceres	95307	08/11/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Ceres	95307	08/11/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Ceres	95307	08/12/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Denair	95316	08/15/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Denair	95316	08/15/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95358	08/11/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95351	08/16/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Oakdale	95361	08/10/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Oakdale	95361	08/15/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Salida	95368	08/12/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/09/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95382	08/11/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/11/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/15/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/15/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/16/05	08/22/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/15/05	08/15/05	VecTest
Yellow-billed Magpie	Stanislaus	Ceres	95307	08/16/05	08/16/05	VecTest
Yellow-billed Magpie	Tehama	Corning	96021	08/11/05	08/22/05	RT-PCR
Yellow-billed Magpie	Tulare	Hughson	95326	08/16/05	08/22/05	RT-PCR
Yellow-billed Magpie	Tulare	Hughson	95326	08/16/05	08/22/05	RT-PCR

National Comments:

As of August 23, 2005, West Nile virus (WNV) activity has been detected in 42 states. At this time in 2004, a total of 46 states, Puerto Rico, and New York City had published WNV activity. A total of 501 human WNV cases have been reported in 2005 from 25 states. At this time in 2004, 843 cases had been reported from 32 states and New York City. In 2005, of the 456 cases with available data, the median age is 50 years (range: 3 months-92 years) and 263 (58%) of the cases are male. One hundred ninety-six (43%) of the cases are neuroinvasive. There have been twelve reported WNV-related fatalities. The median age of the 10 decedents where data is available was 77 years (range: 54-89 years).

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

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

California Arbovirus Surveillance Bulletin # 28

Week 34 Friday, August 26, 2005

testing, including plaque reduction neutralization (PRNT), on specimens from sentinel chickens from geographic areas 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].