

California Arbovirus Surveillance Bulletin # 29

Week 35 Friday, September 2, 2005

Weekly Summary

Comments:

Humans: As of September 2, 2005, 500 human West Nile virus (WNV) infections have been identified from the following local health jurisdictions: Alameda (1), Butte (13), Contra Costa (4), Fresno (37), Glenn (6), Humboldt (1), Imperial (1), Kern (34), Kings (27), Los Angeles (13), Madera (4), Merced (2), Nevada (1), Orange (8), Placer (20), Plumas (1), Riverside (59), Sacramento (112), San Bernardino (15), San Diego (1), San Francisco (1), San Joaquin (17), Santa Barbara (1), Santa Clara (1), Solano (1), Sonoma (1), Stanislaus (60), Sutter (7), Tehama (2), Tulare (37), Ventura (1), Yolo (10), and Yuba (1). Sixty-four of the 500 infections were initially detected in asymptomatic individuals through screening done at blood banks - twenty-six individuals later developed symptoms. In addition to the individuals detected at blood banks, three individuals who had no symptoms for WNV were detected through the local health department. Of the 459 WNV cases with symptoms, 146 are classified as West Nile neuroinvasive disease cases, 278 are classified as West Nile fever, and 35 are of unknown clinical presentation. The median age for all symptomatic cases where data is available is 50 years (range: 2-93 years). 259 (56%) 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 44 new confirmed cases of equine WNV in Amador (2), Colusa (1), Contra Costa (1), El Dorado (1), Fresno (2), Kern (2), Kings (1), Los Angeles (2), Madera (3), Merced (3), Nevada (3), Placer (2), Riverside (6), Sacramento (3), San Joaquin (2), Santa Barbara (1), Stanislaus (4), Tulare (2), Tuolumne (1), Ventura (1), and Yuba (1) counties. These were the first WNV positive horses in Colusa, El Dorado, Los Angeles, and Tuolumne counties. The YTD total for the State is 321.

Dead Birds:

This week the hotline received 4,898 dead bird reports, for a YTD total of 88,332 reports. 234 out of 404 (57.9%) dead birds collected from 41 counties tested positive for WNV this week.

- 165 out of 322 (51.2%) dead birds tested positive via RT-PCR.
- 55 out of 66 (83.3%) corvids tested positive via VecTest.
- 14 out of 16 (87.5 %) corvids tested positive via RAMP.

The WNV positive dead birds were collected from the following counties: Alameda (6); Amador (3); Butte (7); Calaveras (1); Contra Costa (15); El Dorado (6); Fresno (3); Inyo (2); Kern (2); Lake (3); Lassen (1); Los Angeles (33); Marin (2); Mariposa (2); Mendocino (3); Merced (13); Mono (1); Napa (6); Nevada (3); Placer (6); Riverside (2); Sacramento (5); San Bernardino (5); San Diego (8); San Joaquin (1); San Mateo (1); Santa Barbara (7); Santa Clara (15); Shasta (7); Solano (6); Sonoma (2); Stanislaus (30); Tehama (7); Tulare (6); Tuolumne (3); Ventura (9); and Yolo (2). **This is the first indication of WNV activity in Mono County in 2005.**

The following bird species tested positive for WNV: acorn woodpecker (2); American crow (92); American goldfinch (1); American kestrel (1); American robin (4); barn swallow (1); black-billed magpie (1); bluebird (2); canary (3); chickadee (1); great horned owl (1); house finch (10); house sparrow (3); lesser goldfinch (2); mountain bluebird (2); mourning dove (1); northern mockingbird (2); oak titmouse (1); pinion jay (1); red-shouldered hawk (1); Steller's jay (2); turkey (1); western bluebird (3); western scrub-jay (66); western tanager (1); and yellow-billed magpie (29). See "WNV Positive Dead Birds" table for details.

Since January 1, 2005, 1,968 of 6,678 (29.5%) dead birds have tested positive for WNV.

Mosquito Pools:

WNV: CVEC reported 85 WNV positive mosquito pools from the following counties: Butte (1), Fresno (2), Glenn (2), Kern (4), Lake (5), Los Angeles (15), Madera (1), Merced (7), Orange (3), Placer (1), Riverside (2), Sacramento (3), Santa Barbara (9), Stanislaus (26), Sutter (1), Yolo (2), and Yuba (1). The YTD total for the State is 1002.

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WEE: CVEC also reported four positive WEE pools in Kern county. Two pools (KERN 5741 & 5743) were also WNV positive. The YTD for the State is 35.

Sentinel Chickens: WNV: VRDL reported 30 seroconversions among 16 flocks from Butte (2), Colusa (1), Contra Costa (9), Kern (9), Kings (3), Santa Barbara (1), Shasta (1), and Yuba (4) counties. The current YTD total stands at 281 seroconversions. Additionally, 98 flavivirus positive seroconversions that are being sent to VRDL for confirmation

WEE: VRDL reported 1 WEE seroconversion in a flock from Kern County. The current YTD stands at 86 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	176	0	130	0	0	0	0	0	0
	YTD	1382	0	500	0	0	0	0	0	0
Horses Tested	Week	44	0	44	0	0	0	0	0	0
	YTD	790	0	321	0	0	0	0	0	0

Dead Birds

	Number Tested	WNV Positive
Week	404	234
YTD	6,678	1,968

Sentinel Chickens and Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive	Other Positive
	YTD	23696	281	86	0	0
Mosquito pools	Week	693	85	4	0	0
	YTD	14749	1002	35	0	0

*Total has been adjusted to include local agency submission

Human Positives Reported (August 29 – September 2):

Virus	Onset Date	Status	Diagnosis	County	Age
WNV	8/7/2005	Probable	West Nile Fever	Riverside	44
WNV	8/17/2005	Probable	West Nile Neuroinvasive Disease	Riverside	49
WNV	7/5/2005	Probable	West Nile Fever	Riverside	37
WNV	8/3/2005	Probable	West Nile Fever	Riverside	<18
WNV	8/10/2005	Probable	West Nile Neuroinvasive Disease	Riverside	77
WNV	8/4/2005	Probable	West Nile Neuroinvasive Disease	Riverside	63
WNV	8/10/2005	Probable	West Nile Neuroinvasive Disease	Riverside	56

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WNV	8/7/2005	Probable	UNK	Riverside	71
WNV	8/15/2005	Probable	West Nile Neuroinvasive Disease	Los Angeles	70
WNV	8/8/2005	Probable	West Nile Neuroinvasive Disease	Orange	49
WNV	8/15/2005	Probable	West Nile Fever	Placer	>18
WNV	Unk	Probable	West Nile Fever *	Placer	>18
WNV	8/17/2005	Probable	West Nile Fever	Sacramento	52
WNV	8/10/2005	Probable	West Nile Fever	Sacramento	38
WNV	8/11/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	25
WNV	8/8/2005	Probable	West Nile Fever	Sacramento	55
WNV	Unk	Probable	West Nile Fever	Sacramento	32
WNV	Unk	Probable	West Nile Fever	Sacramento	80
WNV	7/29/2005	Probable	West Nile Fever	Sacramento	55
WNV	8/4/2005	Probable	West Nile Fever	Sacramento	22
WNV	8/7/2005	Probable	West Nile Fever	Sacramento	58
WNV	7/31/2005	Probable	UNK	Stanislaus	45
WNV	8/6/2005	Probable	West Nile Fever	Sutter	>18
WNV	8/9/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	64
WNV	7/20/2005	Probable	West Nile Fever	Sacramento	60
WNV	8/6/2005	Probable	West Nile Fever	Contra Costa	45
WNV	8/14/2005	Probable	West Nile Fever	Sacramento	<18
WNV	8/18/2005	Probable	West Nile Fever	San Joaquin	77
WNV	8/19/2005	Probable	West Nile Neuroinvasive Disease	San Joaquin	45
WNV	7/20/2005	Probable	West Nile Fever	Alameda	57
WNV	8/2/2005	Probable	West Nile Fever	Placer	>18
WNV	8/2/2005	Probable	West Nile Fever	Sacramento	42
WNV	Week 31	Probable	West Nile Fever	Tehama	<18
WNV	Week 32	Probable	West Nile Neuroinvasive Disease	Tehama	>65
WNV	8/9/2005	Probable	West Nile Fever *	Santa Barbara	26
WNV	Unk	Probable	n/a	Imperial	55
WNV	8/11/2005	Probable	West Nile Fever	Nevada	21
WNV	8/5/2005	Probable	West Nile Fever	Stanislaus	68
WNV	8/12/2005	Probable	West Nile Fever *	Stanislaus	49
WNV	8/4/2005	Probable	West Nile Fever	Tulare	49
WNV	7/20/2005	Probable	West Nile Fever	Tulare	66
WNV	8/15/2005	Probable	West Nile Fever	Tulare	51
WNV	7/31/2005	Probable	West Nile Fever	Tulare	31
WNV	8/8/2005	Probable	West Nile Fever	Tulare	58
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Tulare	59
WNV	8/1/2005	Probable	West Nile Fever	Orange	49
WNV	7/15/2005	Probable	West Nile Fever	Butte	<18
WNV	8/14/2005	Probable	West Nile Fever	Butte	>18
WNV	8/19/2005	Probable	West Nile Fever	Butte	>18
WNV	8/12/2005	Probable	West Nile Neuroinvasive Disease	Contra Costa	66
WNV	8/31/2005	Probable	Unk	Fresno	29
WNV	8/29/2005	Probable	Unk	Fresno	74
WNV	n/a	Probable	West Nile Fever	Glenn	n/a

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WNV	n/a	Probable	West Nile Fever	Glenn	n/a
WNV	8/6/2005	Probable	West Nile Fever	San Joaquin	42
WNV	8/1/2005	Probable	West Nile Fever	San Joaquin	67
WNV	8/15/2005	Probable	West Nile Neuroinvasive Disease	San Joaquin	55
WNV	8/24/2005	Probable	West Nile Neuroinvasive Disease	San Joaquin	50
WNV	8/18/2005	Probable	West Nile Fever	San Joaquin	37
WNV	8/5/2005	Probable	West Nile Neuroinvasive Disease	Humboldt	>18
WNV	8/11/2005	Probable	West Nile Fever	Kern	48
WNV	8/2/2005	Probable	West Nile Fever	Kings	>18
WNV	8/5/2005	Probable	West Nile Fever	Kings	>18
WNV	8/1/2005	Probable	West Nile Fever	Kings	<18
WNV	8/6/2005	Probable	West Nile Neuroinvasive Disease	Madera	>18
WNV	7/15/2005	Probable	West Nile Fever	Madera	>18
WNV	Unk	Probable	Unk	Madera	>18
WNV	7/21/2005	Probable	West Nile Fever	Kern	27
WNV	8/10/2005	Probable	West Nile Fever	Placer	>18
WNV	8/9/2005	Probable	West Nile Neuroinvasive Disease	Placer	>65
WNV	7/22/2005	Probable	West Nile Neuroinvasive Disease	Placer	>18
WNV	8/6/2005	Probable	West Nile Neuroinvasive Disease	Orange	80
WNV	8/12/2005	Probable	West Nile Neuroinvasive Disease	Orange	18
WNV	8/1/2005	Probable	West Nile Fever	Riverside	49
WNV	7/20/2005	Probable	West Nile Fever	Riverside	54
WNV	7/21/2005	Probable	West Nile Fever	Riverside	73
WNV	8/10/2005	Probable	West Nile Neuroinvasive Disease	Riverside	85
WNV	8/2/2005	Probable	West Nile Fever	Riverside	41
WNV	8/20/2005	Probable	West Nile Fever	Riverside	67
WNV	Unk	Probable	West Nile Fever	Sacramento	48
WNV	8/2/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	29
WNV	8/14/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	31
WNV	8/1/2005	Probable	West Nile Fever	Sacramento	Unk
WNV	8/16/2005	Probable	West Nile Fever	Sacramento	42
WNV	8/8/2005	Probable	West Nile Fever	Sacramento	70
WNV	7/30/2005	Probable	West Nile Fever	Sacramento	59
WNV	8/9/2005	Probable	West Nile Fever	Sacramento	48
WNV	8/10/2005	Probable	West Nile Fever	Sacramento	77
WNV	8/3/2005	Probable	West Nile Fever	Sacramento	49
WNV	7/31/2005	Probable	West Nile Fever	Sacramento	26
WNV	7/27/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	52
WNV	8/23/2005	Probable	West Nile Fever	San Joaquin	67
WNV	8/17/2005	Probable	West Nile Fever	Stanislaus	84
WNV	8/18/2005	Probable	West Nile Fever	Stanislaus	26
WNV	8/14/2005	Probable	West Nile Fever	Stanislaus	44
WNV	8/12/2005	Probable	West Nile Fever	Stanislaus	28
WNV	8/3/2005	Probable	West Nile Fever	Stanislaus	50
WNV	7/30/2005	Probable	West Nile Fever	Stanislaus	38
WNV	8/4/2005	Probable	West Nile Fever	Stanislaus	64

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WNV	8/22/2005	Probable	West Nile Fever *	Stanislaus	51
WNV	8/15/2005	Probable	West Nile Neuroinvasive Disease	Stanislaus	52
WNV	8/14/2005	Probable	West Nile Fever	Stanislaus	61
WNV	8/18/2005	Probable	West Nile Neuroinvasive Disease	Stanislaus	19
WNV	7/31/2005	Probable	West Nile Fever	Sutter	>18
WNV	7/15/2005	Probable	West Nile Fever	Sutter	>18
WNV	8/5/2005	Probable	West Nile Fever	Sutter	>18
WNV	Week 32	Probable	West Nile Fever	Yolo	>18
WNV	Week 32	Probable	West Nile Fever	Yolo	>18
WNV	8/1/2005	Probable	West Nile Fever	Placer	>18
WNV	8/8/2005	Probable	West Nile Fever	Placer	>18
WNV	8/6/2005	Probable	West Nile Fever	Placer	>18
WNV	8/8/2005	Probable	West Nile Fever	Placer	>18
WNV	8/8/2005	Probable	West Nile Neuroinvasive Disease	Placer	>18
WNV	8/10/2005	Probable	West Nile Fever	Placer	>18
WNV	8/13/2005	Probable	West Nile Neuroinvasive Disease	Los Angeles	47
WNV	Unk	Probable	West Nile Fever	San Bernardino	31
WNV	7/22/2005	Probable	West Nile Fever	San Bernardino	52
WNV	Unk	Probable	West Nile Neuroinvasive Disease	San Bernardino	67
WNV	7/22/2005	Probable	West Nile Fever	Kings	>18
WNV	8/18/2005	Probable	West Nile Fever	Kings	>18
WNV	8/18/2005	Probable	West Nile Fever	Kings	>18
WNV	n/a	Probable	Asymptomatic (Not a Blood Donor)	Sacramento	58
WNV	n/a	Probable	Asymptomatic Blood Donor	Glenn	>18
WNV	n/a	Probable	Asymptomatic Blood Donor	Kern	57
WNV	n/a	Probable	Asymptomatic Blood Donor	Riverside	68
WNV	n/a	Probable	Asymptomatic Blood Donor	Sacramento	74
WNV	n/a	Probable	Asymptomatic Blood Donor	Sacramento	65
WNV	n/a	Probable	Asymptomatic Blood Donor	Sacramento	51
WNV	n/a	Probable	Asymptomatic Blood Donor	Yolo	>18
WNV	n/a	Probable	Asymptomatic Blood Donor	Yolo	>18

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	8/25/05	BUCO0072	9	Butte	Chico	8/26/05
WN	Cx quinquefasciatus	8/26/05	CNSL4104	255	Fresno	Fowler	8/31/05
WN	Cx quinquefasciatus	8/30/05	CNSL4002	259	Fresno	Sanger	8/31/05
WN	Cx quinquefasciatus	8/25/05	COAV0320	2307	Riverside	Palm Desert	8/31/05
WN	Cx tarsalis	8/24/05	GLEN9705	28	Glenn	Sacramento Wildlife	8/25/05
WN	Cx tarsalis	8/24/05	GLEN9705	36	Glenn	Sacramento Wildlife	8/25/05
WN	Cx quinquefasciatus	8/23/05	GRLA2230	1277	Los Angeles	Rowland Heights	8/31/05

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WN	Cx quinquefasciatus	8/23/05	GRLA2222	1279	Los Angeles	Rowland Heights	8/31/05
WN	Cx quinquefasciatus	8/25/05	GRLA2315	1299	Los Angeles	Carson	8/31/05
WN	Cx thriambus	8/23/05	GRLA2919	5881	Los Angeles	Sunland	8/31/05
WN	Cx quinquefasciatus	8/23/05	GRLA2478	5882	Los Angeles	Sunland	8/31/05
WN	Cx quinquefasciatus	8/25/05	GRLA2650	5887	Los Angeles	Encino	8/31/05
WN	Cx quinquefasciatus	8/25/05	GRLA2650	5892	Los Angeles	Encino	8/31/05
WN	Cx quinquefasciatus	8/25/05	GRLA2655	5895	Los Angeles	Encino	8/31/05
WN	Cx quinquefasciatus	8/26/05	GRLA2675	5909	Los Angeles	Granada Hills	8/31/05
WN	Cx quinquefasciatus	8/26/05	GRLA2531	5914	Los Angeles	Chatsworth	8/31/05
WN	Cx quinquefasciatus	8/26/05	GRLA2540	5916	Los Angeles	Northridge	8/31/05
WN	Cx quinquefasciatus	8/26/05	GRLA2543	5919	Los Angeles	Northridge	8/31/05
WN	Cx quinquefasciatus	8/26/05	GRLA2989	5920	Los Angeles	Northridge	8/31/05
WN	Cx tarsalis	8/23/05	KERN0050	5741	Kern	Bakersfield	8/31/05
WN	Cx tarsalis	8/23/05	KERN0050	5743	Kern	Bakersfield	8/31/05
WN	Cx quinquefasciatus	8/25/05	KERN1002	5754	Kern	Bakersfield	8/31/05
WN	Cx quinquefasciatus	8/25/05	KERN1003	5756	Kern	Oildale	8/31/05
WN	Cx tarsalis	8/24/05	LAKE2002	257	Lake	Lower Lake	8/31/05
WN	Cx tarsalis	8/24/05	LAKE1004	265	Lake	Upper Lake	8/31/05
WN	Cx stigmatosoma	8/26/05	LAKE1004	267	Lake	Upper Lake	8/31/05
WN	Cx tarsalis	8/30/05	LAKE2107	277	Lake	Clearlake	8/31/05
WN	Cx tarsalis	8/30/05	LAKE2002	279	Lake	Lower Lake	8/31/05
WN	Cx quinquefasciatus	8/30/05	LONG0301	329	Los Angeles	Long Beach	8/31/05
WN	Cx quinquefasciatus	8/30/05	LONG0401	330	Los Angeles	Long Beach	8/31/05
WN	Cx pipiens	8/30/05	MADR4123	15	Madera	Chowchilla	8/31/05
WN	Cx pipiens	8/24/05	MERC5503	252	Merced	Merced	8/26/05
WN	Cx pipiens	8/24/05	MERC5504	253	Merced	Merced	8/26/05
WN	Cx pipiens	8/24/05	MERC5506	254	Merced	Merced	8/26/05
WN	Cx tarsalis	8/24/05	MERC0510	255	Merced	Hopeton	8/26/05
WN	Cx stigmatosoma	8/24/05	MERC0510	257	Merced	Hopeton	8/26/05
WN	Cx pipiens	8/24/05	MERC0402	262	Merced	Hilmar	8/26/05
WN	Cx pipiens	8/24/05	MERC0512	282	Merced	Atwater	8/26/05
WN	Cx quinquefasciatus	8/8/05	NWST0013	444	Riverside	Norco	9/1/05
WN	Cx quinquefasciatus	8/23/05	ORCO0005	2599	Orange	Huntington Beach	8/30/05
WN	Cx quinquefasciatus	8/23/05	ORCO0002	2604	Orange	Fullerton	8/30/05
WN	Cx quinquefasciatus	8/23/05	ORCO0052	2607	Orange	Anaheim	8/30/05
WN	Cx tarsalis	8/24/05	PLCR0026	168	Placer	Sheridan	8/29/05
WN	Cx pipiens	8/24/05	SAYO4264	1035	Sacramento	Sacramento	8/29/05
WN	Cx tarsalis	8/25/05	SAYO3355	1081	Yolo	West Sacramento	8/29/05
WN	Cx tarsalis	8/26/05	SAYO2213	1105	Sacramento	Elk Grove	8/29/05
WN	Cx pipiens	8/26/05	SAYO3236	1117	Yolo	Woodland	8/29/05
WN	Cx tarsalis	8/23/05	SAYO4309	1155	Sacramento	Hood	8/29/05
WN	Cx tarsalis	8/17/05	SBCO0055	312	Santa Barbara	Santa Barbara	8/30/05
WN	Cx tarsalis	8/17/05	SBCO0055	313	Santa Barbara	Santa Barbara	8/30/05

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WN	Cx tarsalis	8/17/05	SBCO0055	317	Santa Barbara	Santa Barbara	8/30/05
WN	Cx tarsalis	8/18/05	SBCO0033	331	Santa Barbara	101 Freeway	8/30/05
WN	Cx tarsalis	8/18/05	SBCO0033	332	Santa Barbara	101 Freeway	8/30/05
WN	Cx tarsalis	8/26/05	SBCO0055	349	Santa Barbara	Santa Barbara	8/30/05
WN	Cx tarsalis	8/26/05	SBCO0055	350	Santa Barbara	Santa Barbara	8/30/05
WN	Cx tarsalis	8/26/05	SBCO0055	351	Santa Barbara	Santa Barbara	8/30/05
WN	Cx erythrothorax	8/26/05	SBCO0055	361	Santa Barbara	Santa Barbara	8/30/05
WN	Cx tarsalis	8/29/05	SUYA0044	278	Sutter	Pleasant Grove	8/30/05
WN	Cx tarsalis	8/29/05	SUYA0038	284	Yuba	Marysville	8/30/05
WN	Cx pipiens	8/24/05	TRLK0530	689	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/24/05	TRLK0530	691	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/24/05	TRLK0530	692	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/24/05	TRLK0531	695	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/25/05	TRLK0534	704	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/25/05	TRLK0420	705	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/26/05	TRLK0530	709	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/26/05	TRLK0530	712	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/26/05	TRLK0530	714	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/26/05	TRLK0530	715	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/26/05	TRLK0530	716	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/26/05	TRLK0530	717	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/26/05	TRLK0530	718	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/26/05	TRLK0530	719	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/29/05	TRLK0437	726	Stanislaus	Patterson	9/1/05
WN	Cx pipiens	8/29/05	TRLK0530	728	Stanislaus	Turlock	9/1/05
WN	Cx pipiens	8/29/05	TRLK9743	732	Stanislaus	Crows Landing	9/1/05
WN	Cx pipiens	8/29/05	TRLK9743	734	Stanislaus	Crows Landing	9/1/05
WN	Cx pipiens	8/29/05	TRLK9745	735	Stanislaus	Crows Landing	9/1/05
WN	Cx pipiens	8/29/05	TRLK0319	743	Stanislaus	Newman	9/1/05
WN	Cx tarsalis	8/29/05	TRLK9771	748	Stanislaus	Grayson	9/1/05
WN	Cx tarsalis	8/29/05	TRLK0309	760	Stanislaus	Grayson	9/1/05
WN	Cx pipiens	8/29/05	TRLK0309	762	Stanislaus	Grayson	9/1/05
WN	Cx pipiens	8/30/05	TRLK0535	772	Stanislaus	Keyes	9/1/05
WN	Cx pipiens	8/30/05	TRLK0535	773	Stanislaus	Keyes	9/1/05
WN	Cx pipiens	8/30/05	TRLK0535	774	Stanislaus	Keyes	9/1/05
WEE	Cx tarsalis	8/23/05	KERN0035	5734	Kern	Bakersfield	8/31/05
WEE	Cx tarsalis	8/23/05	KERN0050	5741	Kern	Bakersfield	8/31/05
WEE	Cx tarsalis	8/23/05	KERN0050	5743	Kern	Bakersfield	8/31/05
WEE	Cx tarsalis	8/23/05	KERN0054	5745	Kern	Bakersfield	8/31/05

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Chicken Seroconversions Reported by DHS:

Virus	Site Number	County	State	Nearest City	Location	Date Seroconverted	Band #1	Band #2	Band #3	Band #4	Band #5	Band #6	Band #7
WNV	BUCO0004	Butte	CA	Gridley	Gray Lodge	8/24/05	5441						
WNV	BUCO0005	Butte	CA	Honcut	Honcut	8/24/05	5448						
WNV	CLSA0001	Colusa	CA	Colusa	Grussenmeyer	8/23/05	8129						
**** WNV	CNTR8152	Contra Costa	CA	Knightsen	Holland Tract	8/8/05	4477	4480	4482	4483			
WNV	CNTR8152	Contra Costa	CA	Knightsen	Holland Tract	8/22/05	4479						
**** WNV	CNTR2302	Contra Costa	CA	Martinez	Rhone Poulenc	7/25/05	4520						
WNV	CNTR7402	Contra Costa	CA	Oakley	ISD	8/22/05	4493	4497					
**** WNV	CNTR7402	Contra Costa	CA	Oakley	ISD	8/8/05	4489						
WNV	KERN0111	Kern	CA	Arvin	Blackburn residence	8/22/05	3701	4379					
WNV	KERN0106	Kern	CA	Bakersfield	Oildale	8/22/05	4341	4342	4344	4345	4349	4350	
WNV	KERN0101	Kern	CA	Lost Hills	Kern NWR	8/23/05	4305						
WNV	KNGS2004	Kings	CA	Corcoran	Corcoran	8/24/05	5656						
WNV	KNGS2001	Kings	CA	Hanford	KMAD Facility	8/24/05	5605	5610					
**** WNV	SBCO0004	Santa Barbara	CA	Goleta	Goleta Historical Museum	8/1/05	5132						
**** WNV	SHAS9704	Shasta	CA	Anderson	Shasta MVCD	8/10/05	0351						
**** WNV	SUYA0007	Yuba	CA	Marysville	Leadbetter	8/11/05	0507	0508	0513	0515			
**** WEE	KERN0101	Kern	CA	Lost Hills	Kern NWR	8/23/05	4307						
Flav. +	BUCO0002	Butte	CA	Biggs	Thebachs	8/24/05	5412	5420					
Flav. +	BUCO0001	Butte	CA	Chico	Elmer Street	8/23/05	5402	5403	5404	5405	5407		
Flav. +	BUCO0007	Butte	CA	Chico	M&T Ranch	8/23/05	5467	5468	5470	5473	5476		
Flav. +	BUCO0003	Butte	CA	Palermo	Beach Ranch	8/24/05	5423	5426					
**** Flav. +	CNTR5552	Contra Costa	CA	Walnut Creek	Black	8/22/05	4527						
**** Flav. +	CNSL5004	Fresno	CA	Caruthers	S. Turner	8/23/05	0019	0021					
Flav. +	FRWS0021	Fresno	CA	Firebaugh	Knight's	8/23/05	8763						
Flav. +	CNSL5005	Fresno	CA	Fresno	Fresno Roofing	8/29/05	0033	0037	0039				
Flav. +	FRNO0012	Fresno	CA	Fresno	Liddel's	8/22/05	7577	7579	7580	7581	7583	7584	7586
**** Flav. +	CNSL5001	Fresno	CA	Friant	Fish Hatchery	8/22/05	0003	0004	0007	0008	0009	0010	
Flav. +	CNSL5007	Fresno	CA	Laton	P. Balver	8/23/05	0061	0062					
Flav. +	FRWS0001	Fresno	CA	Mendota	Mendota Wildlife Refuge	8/23/05	8755	8756					
Flav. +	CNSL5008	Fresno	CA	Orange Cove	O. Mitchell	8/23/05	0073	0081					
Flav. +	GLEN9701	Glenn	CA	Willows	N. E. Willows	8/24/05	5801	5811	5813				
Flav. +	WEST6203	Kern	CA	B.V. Lake	B.V. Lake	8/23/05	4575						
Flav. +	KERN0102	Kern	CA	Buttonwillow	Tracy RNCH	8/22/05	4313						
Flav. +	DLNO0060	Kern	CA	Delano	Delano	8/25/05	5482	5483					
Flav. +	DLNO0021	Kern	CA	Earlmart	Teviston	8/25/05	5491	5496					

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	Flav. +	KNGS2002	Kings	CA	Riverdale	River	8/24/05	5614							
****	Flav. +	LAKE1000	Lake	CA	Upper Lake	MAD Fish Ponds	8/24/05	8728	, 8734						
	Flav. +	MADR4123	Madera	CA	Chowchilla	Calley Farm	8/24/05	4576	, 4577	, 4578	, 4582	, 4583	, 4585		
	Flav. +	MERC0002	Merced	CA	Dos Palos	Koda	8/23/05	5988							
	Flav. +	MERC0501	Merced	CA	El Nido	Homen	8/24/05	5991	, 5993						
****	Flav. +	MERC0005	Merced	CA	Los Banos	E.G. Crema	8/23/05	4750							
****	Flav. +	SLOC0030	San Luis Obispo	CA	Paso Robles	Pat Butler School	8/24/05	0249							
****	Flav. +	SHAS9701	Shasta	CA	Cottonwood	Gover	8/24/05	0377							
****	Flav. +	BURN0001	Shasta	CA	Burney	Burney Basin MAD	8/26/05	2051	, 2060						
	Flav. +	TRLK9703	Stanislaus	CA	Crows Landing	Vitoria's Dairy	8/22/05	0592	, 0593	, 0595	, 0597	, 0602			
	Flav. +	TRLK0402	Stanislaus	CA	Denair	Bettencourt/Mendes	8/22/05	0631	, 0633	, 0635	, 0639				
****	Flav. +	TRLK9701	Stanislaus	CA	Grayson	Dykzeul Dairy	8/22/05	0568	, 0572	, 0574	, 0579				
****	Flav. +	TRLK0401	Stanislaus	CA	Hickman	Redding	8/22/05	0643	, 0644	, 0647					
	Flav. +	EAST1957	Stanislaus	CA	Modesto	Mapes	8/24/05	0889							
	Flav. +	TRLK0403	Stanislaus	CA	Newman/Hillsferry	Thomas	8/22/05	0608	, 0614						
	Flav. +	EAST1933	Stanislaus	CA	Oakdale	Valley Home	8/24/05	0878	, 0881						
	Flav. +	TRLK0001	Stanislaus	CA	Vernalis	Dunne	8/22/05	0558	, 0559	, 0562					
	Flav. +	SUYA0020	Sutter	CA	Meridian	Meridian	8/25/05	0458							
	Flav. +	SUYA0031	Sutter	CA	Rio Oso	Barker	8/25/05	0492	, 0493						
	Flav. +	SUYA0015	Sutter	CA	Robbins	Robbins	8/25/05	0480							
****	Flav. +	TEHA0002	Tehama	CA	Corning	Woodson Bridge	8/24/05	0530							
	Flav. +	SUYA0071	Yuba	CA	Olivehurst	Roller	8/25/05	0499	, 0501	, 0502					

WNV Positive Dead Birds Reported (August 29- September 2)

Species	County	City	ZIP	Date Collected	Date Tested	Tested By
Acorn Woodpecker	Butte	Paradise	95969	8/9/05	8/29/05	RT-PCR
Acorn Woodpecker	Nevada	Grass Valley	95945	8/10/05	8/29/05	RT-PCR
American Crow	Alameda	Dublin	94568	8/23/05	8/23/05	RAMP
American Crow	Butte	Chico	95926	8/18/05	8/29/05	RT-PCR
American Crow	Butte	Magalia	95954	8/25/05	8/25/05	VecTest
American Crow	Contra Costa	Pleasant Hill	94523	8/25/05	8/25/05	RT-PCR
American Crow	Contra Costa	Oakley	94561	8/19/05	8/19/05	RAMP
American Crow	Contra Costa	Concord	94519	8/21/05	8/21/05	RAMP
American Crow	Contra Costa	Concord	94520	8/25/05	8/25/05	RAMP
American Crow	Inyo	Bishop	93514	8/17/05	8/29/05	RT-PCR
American Crow	Inyo	Bishop	93514	8/21/05	8/29/05	RT-PCR
American Crow	Kern	Bakersfield	93308	8/17/05	8/29/05	RT-PCR
American Crow	Los Angeles	Sunland	91040	8/18/05	8/29/05	RT-PCR
American Crow	Los Angeles	Valencia	91355	8/17/05	8/29/05	RT-PCR
American Crow	Los Angeles	Valencia	91355	8/17/05	8/29/05	RT-PCR
American Crow	Los Angeles	Gardena	90247	8/22/05	8/22/05	VecTest
American Crow	Los Angeles	Norwalk	90650	8/23/05	8/23/05	VecTest
American Crow	Los Angeles	Newhall	91350	8/16/05	8/16/05	VecTest
American Crow	Los Angeles	Valencia	91354	8/11/05	8/11/05	VecTest
American Crow	Los Angeles	Santa Clarita	91351	8/11/05	8/11/05	VecTest

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American Crow	Los Angeles	Reseda	91335	8/11/05	8/11/05	VecTest
American Crow	Los Angeles	Chatsworth	91311	8/15/05	8/15/05	VecTest
American Crow	Los Angeles	Van Nuys	91406	8/16/05	8/16/05	VecTest
American Crow	Los Angeles	Van Nuys	91406	8/17/05	8/17/05	VecTest
American Crow	Los Angeles	Tarzana	91356	8/17/05	8/17/05	VecTest
American Crow	Los Angeles	Woodland Hills	91367	8/18/05	8/18/05	VecTest
American Crow	Los Angeles	Santa Clarita	91355	8/18/05	8/18/05	VecTest
American Crow	Los Angeles	Santa Clarita	91355	8/22/05	8/22/05	VecTest
American Crow	Los Angeles	Castaic	91384	8/22/05	8/22/05	VecTest
American Crow	Los Angeles	Castaic	91384	8/22/05	8/22/05	VecTest
American Crow	Los Angeles	Sherman Oaks	91403	8/23/05	8/23/05	VecTest
American Crow	Los Angeles	Castaic	91384	8/24/05	8/24/05	VecTest
American Crow	Los Angeles	Whittier	90603	8/24/05	8/24/05	VecTest
American Crow	Los Angeles	Whittier	90603	8/24/05	8/24/05	VecTest
American Crow	Los Angeles	Santa Clarita	91355	8/25/05	8/25/05	VecTest
American Crow	Los Angeles	Laverne	91750	8/30/05	8/30/05	RAMP
American Crow	Marin	Kentfield	94904	8/22/05	8/22/05	RAMP
American Crow	Marin	San Rafael	94901	8/24/05	8/24/05	RAMP
American Crow	Mendocino	Redwood Valley	95470	8/22/05	8/29/05	RT-PCR
American Crow	Mendocino	Redwood Valley	95470	8/23/05	8/29/05	RT-PCR
American Crow	Mendocino	Ukiah	95482	8/22/05	8/29/05	RT-PCR
American Crow	Merced	Merced	95348	8/22/05	8/29/05	RT-PCR
American Crow	Napa	Napa	94558	8/24/05	8/24/05	VecTest
American Crow	Napa	Napa	94558	8/26/05	8/26/05	VecTest
American Crow	Napa	Napa	94558	8/26/05	8/26/05	VecTest
American Crow	Riverside	Corona	92881	8/22/05	8/29/05	RT-PCR
American Crow	Riverside	Norco	92860	8/18/05	8/29/05	RT-PCR
American Crow	Sacramento	Elk Grove	95624	8/22/05	8/29/05	RT-PCR
American Crow	Sacramento	Sacramento	95822	8/16/05	8/29/05	RT-PCR
American Crow	Sacramento	Sacramento	95825	8/22/05	8/29/05	RT-PCR
American Crow	San Bernardino	Ontario	91761	8/22/05	8/29/05	RT-PCR
American Crow	San Bernardino	Ontario	91764	8/19/05	8/29/05	RT-PCR
American Crow	San Bernardino	Redlands	92374	8/19/05	8/19/05	VecTest
American Crow	San Bernardino	Yucaipa	92399	8/22/05	8/22/05	VecTest
American Crow	San Diego	Alpine	91901	8/22/05	8/29/05	RT-PCR
American Crow	San Diego	Oceanside	92054	8/21/05	8/21/05	VecTest
American Crow	San Diego	Oceanside	92057	8/19/05	8/19/05	VecTest
American Crow	San Diego	Fallbrook	92028	8/18/05	8/18/05	VecTest
American Crow	San Diego	San Marcos	92078	8/25/05	8/25/05	VecTest
American Crow	San Joaquin	Stockton	95219	8/18/05	8/26/05	RT-PCR
American Crow	Santa Barbara	Goleta	93117	8/22/05	8/29/05	RT-PCR
American Crow	Santa Barbara	Santa Barbara	93101	8/18/05	8/29/05	RT-PCR
American Crow	Santa Barbara	Santa Barbara	93111	8/19/05	8/29/05	RT-PCR
American Crow	Santa Barbara	Santa Barbara	93105	8/19/05	8/29/05	RT-PCR
American Crow	Santa Barbara	Santa Barbara	93105	8/22/05	8/29/05	RT-PCR
American Crow	Santa Barbara	Santa Barbara	93110	8/23/05	8/29/05	RT-PCR
American Crow	Santa Clara	San Jose	95123	7/29/05	8/18/05	RT-PCR

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American Crow	Santa Clara	San Jose	95123	7/29/05	8/18/05	RT-PCR
American Crow	Santa Clara	San Jose	95123	8/14/05	8/18/05	RT-PCR
American Crow	Santa Clara	San Jose	95125	8/22/05	8/22/05	VecTest
American Crow	Santa Clara	San Jose	95139	8/17/05	8/17/05	VecTest
American Crow	Santa Clara	San Jose	95120	8/17/05	8/17/05	VecTest
American Crow	Santa Clara	San Jose	95123	8/17/05	8/17/05	VecTest
American Crow	Santa Clara	San Jose	95123	8/18/05	8/18/05	VecTest
American Crow	Santa Clara	San Jose	95123	8/19/05	8/19/05	VecTest
American Crow	Santa Clara	San Jose	95136	8/22/05	8/22/05	VecTest
American Crow	Santa Clara	San Jose	95119	8/22/05	8/22/05	VecTest
American Crow	Santa Clara	San Jose	95119	8/23/05	8/23/05	VecTest
American Crow	Santa Clara	San Jose	95125	8/23/05	8/23/05	VecTest
American Crow	Santa Clara	San Jose	95125	8/23/05	8/23/05	VecTest
American Crow	Shasta	Redding	96003	8/22/05	8/22/05	VecTest
American Crow	Shasta	Redding	96001	8/23/05	8/23/05	VecTest
American Crow	Sonoma	Santa Rosa	95404	8/23/05	8/23/05	RAMP
American Crow	Sonoma	Santa Rosa	95405	8/25/05	8/25/05	RAMP
American Crow	Stanislaus	Turlock	95380	8/18/05	8/29/05	RT-PCR
American Crow	Stanislaus	Ceres	95307	8/24/05	8/24/05	VecTest
American Crow	Tehama	Red Bluff	96080	8/17/05	8/29/05	RT-PCR
American Crow	Ventura	Oak Park	91377	8/15/05	8/29/05	RT-PCR
American Crow	Ventura	Santa Paula	93060	8/23/05	8/29/05	RT-PCR
American Crow	Ventura	Simi Valley	93063	8/23/05	8/29/05	RT-PCR
American Crow	Ventura	Thousand Oaks	91362	8/22/05	8/29/05	RT-PCR
American Crow	Ventura	Ventura	93003	8/19/05	8/29/05	RT-PCR
American Crow	Ventura	Westlake Village	91361	8/15/05	8/15/05	VecTest
American Crow	Yolo	Davis	95616	8/25/05	8/29/05	RT-PCR
American Goldfinch	Nevada	Chicago Park	95712	8/10/05	8/29/05	RT-PCR
American Kestrel	Merced	Stevinson	95374	8/17/05	8/29/05	RT-PCR
American Robin	Amador	Sutter Creek	95685	8/17/05	8/29/05	RT-PCR
American Robin	Contra Costa	Walnut Creek	94598	8/18/05	8/29/05	RT-PCR
American Robin	Solano	Fairfield	94534	8/17/05	8/29/05	RT-PCR
American Robin	Tulare	Visalia	93291	8/18/05	8/29/05	RT-PCR
Barn Swallow	Stanislaus	Ceres	95307	8/17/05	8/29/05	RT-PCR
Black-Billed Magpie	Lassen	Standish	96128	8/17/05	8/29/05	RT-PCR
Bluebird	Ventura	Ojai	93023	8/23/05	8/29/05	RT-PCR
Bluebird	Ventura	Ojai	93023	8/23/05	8/29/05	RT-PCR
Canary	Tulare	Visalia	93292	8/16/05	8/29/05	RT-PCR
Canary	Tulare	Visalia	93291	8/18/05	8/29/05	RT-PCR
Canary	Tulare	Visalia	93292	8/19/05	8/29/05	RT-PCR
Chestnut-Backed Chickadee	Alameda	Sunol	94586	8/16/05	8/29/05	RT-PCR
Great Horned Owl	Tehama	Red Bluff	96080	8/17/05	8/29/05	RT-PCR
House Finch	Contra Costa	Brentwood	94513	8/11/05	8/29/05	RT-PCR
House Finch	Contra Costa	Oakley	94561	8/15/05	8/29/05	RT-PCR
House Finch	Fresno	Fresno	93725	8/17/05	8/29/05	RT-PCR
House Finch	Los Angeles	Chatsworth	91311	8/22/05	8/29/05	RT-PCR
House Finch	Los Angeles	Long Beach	90815	8/23/05	8/29/05	RT-PCR

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House Finch	Los Angeles	Palmdale	93551	8/22/05	8/29/05	RT-PCR
House Finch	Sacramento	Sacramento	95825	8/18/05	8/29/05	RT-PCR
House Finch	San Bernardino	Ontario	91764	8/19/05	8/29/05	RT-PCR
House Finch	Tehama	Los Molinos	96055	8/17/05	8/29/05	RT-PCR
House Finch	Ventura	Simi Valley	93065	8/24/05	8/29/05	RT-PCR
House Sparrow	El Dorado	Shingle Springs	95682	8/22/05	8/29/05	RT-PCR
House Sparrow	Kern	Bakersfield	93308	8/19/05	8/29/05	RT-PCR
House Sparrow	San Mateo	Foster City	94404	8/17/05	8/29/05	RT-PCR
Lesser Goldfinch	Alameda	Oakland	94611	8/16/05	8/29/05	RT-PCR
Lesser Goldfinch	Shasta	Palo Cedro	96073	8/17/05	8/29/05	RT-PCR
Mountain Bluebird	Shasta	Palo Cedro	96073	8/17/05	8/29/05	RT-PCR
Mountain Bluebird	Shasta	Palo Cedro	96073	8/17/05	8/29/05	RT-PCR
Mourning Dove	Fresno	Coalinga	93210	8/19/05	8/29/05	RT-PCR
Northern Mockingbird	Stanislaus	Salida	95368	8/22/05	8/29/05	RT-PCR
Northern Mockingbird	Tulare	Woodlake	93286	8/18/05	8/29/05	RT-PCR
Oak Titmouse	Contra Costa	Pleasant Hill	94523	8/17/05	8/29/05	RT-PCR
Pinyon Jay	Mono	Topaz	96133	8/16/05	8/29/05	RT-PCR
Red-Shouldered Hawk	Los Angeles	Woodland Hills	91364	8/15/05	8/29/05	RT-PCR
Steller's Jay	Butte	Magalia	95954	8/17/05	8/29/05	RT-PCR
Steller's Jay	Nevada	Chicago Park	95712	8/22/05	8/29/05	RT-PCR
Turkey	El Dorado	Rescue	95672	8/9/05	8/29/05	RT-PCR
Western Bluebird	El Dorado	Rescue	95672	8/22/05	8/29/05	RT-PCR
Western Bluebird	El Dorado	Shingle Springs	95682	8/18/05	8/29/05	RT-PCR
Western Bluebird	Solano	Fairfield	94534	8/17/05	8/29/05	RT-PCR
Western Scrub-Jay	Alameda	Livermore	94550	8/19/05	8/29/05	RT-PCR
Western Scrub-Jay	Alameda	Livermore	94550	8/23/05	8/29/05	RT-PCR
Western Scrub-Jay	Alameda	Livermore	94550	8/19/05	8/19/05	RAMP
Western Scrub-Jay	Amador	Sutter Creek	95685	8/17/05	8/29/05	RT-PCR
Western Scrub-Jay	Amador	Sutter Creek	95685	8/18/05	8/29/05	RT-PCR
Western Scrub-Jay	Butte	Oroville	95965	8/17/05	8/29/05	RT-PCR
Western Scrub-Jay	Butte	Paradise	95969	8/19/05	8/29/05	RT-PCR
Western Scrub-Jay	Butte	Oroville	95965	8/26/05	8/26/05	VecTest
Western Scrub-Jay	Calaveras	Copperopolis	95228	8/23/05	8/29/05	RT-PCR
Western Scrub-Jay	Contra Costa	Concord	94518	8/15/05	8/29/05	RT-PCR
Western Scrub-Jay	Contra Costa	Concord	94518	8/19/05	8/29/05	RT-PCR
Western Scrub-Jay	Contra Costa	Walnut Creek	94598	8/19/05	8/19/05	RAMP
Western Scrub-Jay	Contra Costa	Walnut Creek	94596	8/22/05	8/22/05	RAMP
Western Scrub-Jay	Contra Costa	Orinda	94563	8/22/05	8/22/05	RAMP
Western Scrub-Jay	Contra Costa	Concord	94521	8/24/05	8/24/05	RAMP
Western Scrub-Jay	El Dorado	Diamond Springs	95619	8/17/05	8/29/05	RT-PCR
Western Scrub-Jay	El Dorado	Placerville	95667	8/18/05	8/29/05	RT-PCR
Western Scrub-Jay	Fresno	Firebaugh	93622	8/21/05	8/29/05	RT-PCR
Western Scrub-Jay	Lake	Clearlake	95422	8/22/05	8/29/05	RT-PCR
Western Scrub-Jay	Lake	Kelseyville	95451	8/22/05	8/29/05	RT-PCR
Western Scrub-Jay	Lake	Lakeport	95453	8/22/05	8/29/05	RT-PCR
Western Scrub-Jay	Los Angeles	Chatsworth	91311	8/15/05	8/29/05	RT-PCR
Western Scrub-Jay	Los Angeles	Newhall	91321	8/19/05	8/29/05	RT-PCR

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Western Scrub-Jay	Los Angeles	Tarzana	91356	8/19/05	8/29/05	RT-PCR
Western Scrub-Jay	Los Angeles	Westlake Village	91361	8/23/05	8/29/05	RT-PCR
Western Scrub-Jay	Los Angeles	Agoura Hills	91301	8/17/05	8/17/05	VecTest
Western Scrub-Jay	Mariposa	Mariposa	95338	8/17/05	8/29/05	RT-PCR
Western Scrub-Jay	Merced	Atwater	95301	8/19/05	8/29/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95340	8/18/05	8/29/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95348	8/18/05	8/29/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95340	8/19/05	8/29/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95340	8/22/05	8/29/05	RT-PCR
Western Scrub-Jay	Napa	Napa	94558	8/19/05	8/29/05	RT-PCR
Western Scrub-Jay	Napa	Saint Helena	94574	8/17/05	8/29/05	RT-PCR
Western Scrub-Jay	Napa	Napa	94559	8/22/05	8/22/05	VecTest
Western Scrub-Jay	Placer	Auburn	95603	8/14/05	8/29/05	RT-PCR
Western Scrub-Jay	Placer	Auburn	95603	8/16/05	8/29/05	RT-PCR
Western Scrub-Jay	Placer	Loomis	95650	8/15/05	8/29/05	RT-PCR
Western Scrub-Jay	Placer	Rocklin	95677	8/11/05	8/29/05	RT-PCR
Western Scrub-Jay	Placer	Roseville	95747	8/5/05	8/29/05	RT-PCR
Western Scrub-Jay	Sacramento	Sacramento	95822	8/18/05	8/29/05	RT-PCR
Western Scrub-Jay	San Diego	Campo	91906	8/23/05	8/29/05	RT-PCR
Western Scrub-Jay	San Diego	Campo	91906	8/19/05	8/19/05	VecTest
Western Scrub-Jay	San Diego	Ramona	92065	8/23/05	8/23/05	VecTest
Western Scrub-Jay	Santa Clara	San Jose	95123	8/18/05	8/18/05	VecTest
Western Scrub-Jay	Shasta	Redding	96002	8/22/05	8/29/05	RT-PCR
Western Scrub-Jay	Shasta	Redding	96003	8/24/05	8/24/05	VecTest
Western Scrub-Jay	Solano	Suisun City	94585	8/22/05	8/29/05	RT-PCR
Western Scrub-Jay	Solano	Vacaville	95687	8/22/05	8/29/05	RT-PCR
Western Scrub-Jay	Stanislaus	Ceres	95307	8/21/05	8/29/05	RT-PCR
Western Scrub-Jay	Stanislaus	Modesto	95358	8/17/05	8/29/05	RT-PCR
Western Scrub-Jay	Stanislaus	Modesto	95358	8/22/05	8/29/05	RT-PCR
Western Scrub-Jay	Stanislaus	Oakdale	95361	8/24/05	8/29/05	RT-PCR
Western Scrub-Jay	Stanislaus	Turlock	95382	8/16/05	8/29/05	RT-PCR
Western Scrub-Jay	Stanislaus	Turlock	95380	8/17/05	8/29/05	RT-PCR
Western Scrub-Jay	Stanislaus	Turlock	95380	8/18/05	8/29/05	RT-PCR
Western Scrub-Jay	Stanislaus	Turlock	95382	8/22/05	8/29/05	RT-PCR
Western Scrub-Jay	Stanislaus	Turlock	95380	8/19/05	8/19/05	VecTest
Western Scrub-Jay	Tehama	Los Molinos	96055	8/18/05	8/29/05	RT-PCR
Western Scrub-Jay	Tehama	Manton	96059	8/19/05	8/29/05	RT-PCR
Western Scrub-Jay	Tehama	Red Bluff	96080	8/17/05	8/29/05	RT-PCR
Western Scrub-Jay	Tehama	Red Bluff	96080	8/22/05	8/29/05	RT-PCR
Western Scrub-Jay	Tulare	Tulare	93274	8/18/05	8/29/05	RT-PCR
Western Scrub-Jay	Tuolumne	Sonora	95370	8/19/05	8/29/05	RT-PCR
Western Scrub-Jay	Tuolumne	Sonora	95370	8/19/05	8/29/05	RT-PCR
Western Scrub-Jay	Tuolumne	Sonora	95370	8/19/05	8/29/05	RT-PCR
Western Tanager	Contra Costa	El Sobrante	94803	8/8/05	8/29/05	RT-PCR
Yellow-billed Magpie	Mariposa	Catheys Valley	95306	8/17/05	8/29/05	RT-PCR
Yellow-billed Magpie	Merced	Atwater	95301	8/17/05	8/29/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	8/16/05	8/29/05	RT-PCR

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Yellow-billed Magpie	Merced	Livingston	95334	8/18/05	8/29/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95340	8/17/05	8/29/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95340	8/17/05	8/29/05	RT-PCR
Yellow-billed Magpie	Merced	Stevinson	95374	8/17/05	8/29/05	RT-PCR
Yellow-billed Magpie	Placer	Auburn	95603	8/16/05	8/29/05	RT-PCR
Yellow-billed Magpie	Santa Barbara	Santa Ynez	93460	8/18/05	8/29/05	RT-PCR
Yellow-billed Magpie	Solano	Fairfield	94534	8/18/05	8/29/05	RT-PCR
Yellow-billed Magpie	Solano	Fairfield	94534	8/19/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Denair	95316	8/17/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Denair	95316	8/18/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Hickman	95323	8/20/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Hickman	95323	8/23/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Hughson	95326	8/18/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95358	8/19/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95351	8/23/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Oakdale	95361	8/17/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Patterson	95363	8/22/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Patterson	95363	8/23/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	8/17/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95382	8/22/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95382	8/23/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Waterford	95386	8/21/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Waterford	95386	8/24/05	8/29/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	8/21/05	8/21/05	VecTest
Yellow-billed Magpie	Stanislaus	Turlock	95380	8/24/05	8/24/05	VecTest
Yellow-billed Magpie	Yolo	Davis	95616	8/24/05	8/29/05	RT-PCR

National Comments:

As of August 30, 2005, West Nile virus (WNV) activity has been detected in 44 states. At this time in 2004, a total of 47 states, Puerto Rico, and New York City had published WNV activity. A total of 689 human WNV cases have been reported in 2005 from 31 states. At this time in 2004, 1,053 cases had been reported from 35 states and New York City. In 2005, of the 640 cases with available data, the median age is 50 years (range: 3 months-92 years) and 367 (57%) of the cases are male. Two hundred sixty-five (41%) of the cases are neuroinvasive. There have been 16 reported WNV-related fatalities. The median age of the 14 decedents where data is available was 78 years (range: 54-89 years).

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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.

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Sentinel Chickens:

Dried blood spot specimens from sentinel chickens submitted each week to the DHS Viral and Rickettsial Disease Laboratory (VRDL) are tested for the presence of antibodies to West Nile virus (WNV), western equine encephalomyelitis (WEE), and St. Louis encephalitis (SLE) viruses by EIA and IFA. The VRDL performs additional testing, including plaque reduction neutralization (PRNT), 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].