

# California Arbovirus Surveillance Bulletin # 30

Week 36 Friday, September 9, 2005

## Weekly Summary

### Comments:

#### **Humans:**

As of September 9, 2005, 593 human West Nile virus (WNV) infections have been identified from the following local health jurisdictions: Alameda (1), Amador (1), Butte (15), Calaveras (1), Contra Costa (7), Fresno (45), Glenn (7), Humboldt (1), Imperial (1), Kern (37), Kings (29), Los Angeles (17), Madera (5), Merced (10), Nevada (1), Orange (8), Placer (23), Plumas (1), Riverside (69), Sacramento (129), San Bernardino (21), San Diego (1), San Francisco (1), San Joaquin (26), Santa Barbara (1), Santa Clara (2), Solano (3), Sonoma (1), Stanislaus (65), Sutter (7), Tehama (2), Tulare (42), Ventura (1), Yolo (10), and Yuba (2). Seventy of the 593 infections were initially detected in asymptomatic individuals through screening done at blood banks - twenty-nine individuals later developed symptoms. In addition to the individuals detected at blood banks, four individuals who had no symptoms for WNV were detected through the local health department. Of the 548 WNV cases with symptoms, 179 are classified as West Nile neuroinvasive disease cases, 318 are classified as West Nile fever, and 51 are of unknown clinical presentation. The median age for all symptomatic cases where data is available is 50 years (range: 2-93 years). 310 (57%) of the cases are male. There have been 9 WNV-related fatalities to date in California this year, from Butte (1), Fresno (2), Kings (2), Riverside (2), Sacramento (1), and San Joaquin (1) counties. The median age of the 9 fatalities was 86 years (range: 72-92 years).

#### **Horses:**

The California Department of Food & Agriculture reported 28 new confirmed cases of equine WNV in Amador (1), Calaveras (1), Fresno (3), Kern (1), Kings (1), Los Angeles (2), Madera (2), Merced (2), Mono (1), Placer (2), Riverside (1), Sacramento (1), San Joaquin (1), San Luis Obispo (1), Santa Barbara (1), Stanislaus (2), Tehama (2), Tulare (1), Tuolumne (1), and Yuba (1) counties. This was the first WNV positive horse in Mono County. The YTD total for the State is 349.

#### **Dead Birds:**

This week the hotline received 3,623 dead bird reports, for a YTD total of 91,955 reports. 251 out of 404 (62.1%) dead birds collected from 40 counties tested positive for WNV this week.

- 155 out of 287 (54.0%) dead birds tested positive via RT-PCR.
- 29 out of 29 (100%) corvids tested positive via VecTest.
- 8 out of 9 (88.9%) corvids tested positive via RAMP.
- 59 out of 79 dead birds tested positive via immunohistochemistry.

The WNV positive dead birds were collected from the following counties: Alameda (3); Amador (3); Butte (3); Calaveras (1); Contra Costa (7); El Dorado (11); Fresno (2); Glenn (3); Kern (6); Kings (1); Lake (8); Lassen (1); Los Angeles (19); Mariposa (1); Mendocino (13); Merced (12); Napa (2); Nevada (6); Orange (59); Riverside (4); Sacramento (6); San Bernardino (3); San Diego (16); San Luis Obispo (16); San Mateo (2); Santa Barbara (6); Santa Cruz (1); Shasta (1); Siskiyou (1); Solano (2); Sonoma (3); Stanislaus (13); Tehama (3); Tulare (7); Tuolumne (1); and Ventura (5).

The following bird species tested positive for WNV: American crow (110); American robin (2); barn owl (2); barn sparrow (1); black phoebe (1); brewer's blackbird (1); California quail (1); California towhee (1); common raven (1); cooper's hawk (1); flamingo (1); flycatcher (1); great horned owl (1); house finch (12); house sparrow (6); mallard (1); northern mockingbird (5); oak titmouse (1); pelagic cormorant (1); red-tailed hawk (2); sharp-shinned hawk (3); Steller's jay (1); western bluebird (1); western scrub-jay (71); yellow warbler (1); and yellow-billed magpie (22). See "WNV Positive Dead Birds" table for details.

Since January 1, 2005, 2,219 of 7,053 (31.4%) dead birds have tested positive for WNV.

#### **Mosquito Pools:**

WNV: CVEC reported 47 WNV positive mosquito pools from the following counties: Butte (1), Fresno (3), Imperial (3), Kern (20), Merced (5), Orange (5), Placer (1), Sacramento (6), Solano (1), Ventura (1) and Yolo (1). The YTD total for the State is 1049.

WEE: CVEC also reported three positive WEE pools in Kern county. One pool (KERN 425) was also WNV positive. The YTD for the State is 38.

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**Sentinel Chickens: WNV:** VRDL reported 85 seroconversions among 25 flocks from Fresno (9), Imperial (10), Kern (3), Los Angeles (4), Madera (1), Merced (3), Riverside (13), San Bernardino (2), Santa Barbara (5), Solano (19), Tulare (12), and Yuba (2). The current YTD total stands at 366 seroconversions. Additionally, there are 49 flavivirus positive seroconversions.

**WEE:** VRDL reported 1 WEE seroconversion in a flock from Riverside County. The current YTD stands at 87 seroconversions.

**Website Information:**

For updated information on WNV, please visit the California WNV website, [www.westnile.ca.gov](http://www.westnile.ca.gov), the CDC website, [www.cdc.gov](http://www.cdc.gov), and the USGS website, [www.westnilemaps.usgs.gov](http://www.westnilemaps.usgs.gov). Please go to the Vector website at <http://vector.ucdavis.edu/arbo.html> for flock location and more information on WNV and other vector-borne diseases.

## 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	72	0	93	0	0	0	0	0	0
	YTD	1454	0	593	0	0	0	0	0	0
Horses Tested	Week	28	0	28	0	0	0	0	0	0
	YTD	818	0	349	0	0	0	0	0	0

### Dead Birds

	Number Tested	WNV Positive
Week	404	251
YTD	7,053	2,219

### Sentinel Chickens and Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive	Other Positive
Chicken sera	Week	727*	85	1	0	0
	YTD	24423	366	87	0	0
Mosquito pools	Week	432	47	3	0	0
	YTD	15181	1049	38	0	0

\*Total has been adjusted to include local agency submission

### Human Positives Reported (September 5 – September 9):

Virus	Onset Date	Status	Diagnosis	County	Age
WNV	8/13/2005	Probable	West Nile Neuroinvasive Disease	Calaveras	53
WNV	8/19/2005	Probable	West Nile Neuroinvasive Disease	Riverside	48
WNV	8/4/2005	Probable	West Nile Neuroinvasive Disease	Riverside	36
WNV	7/15/2005	Probable	West Nile Fever	Riverside	48
WNV	8/20/2005	Probable	West Nile Neuroinvasive Disease	Riverside	47
WNV	8/23/2005	Probable	West Nile Neuroinvasive Disease	Riverside	77
WNV	8/19/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	27
WNV	8/18/2005	Probable	West Nile Fever	Sacramento	28
WNV	8/17/2005	Probable	West Nile Fever	Sacramento	41
WNV	8/20/2005	Probable	West Nile Fever	Sacramento	52
WNV	8/11/2005	Probable	West Nile Fever	Stanislaus	34
WNV	7/23/2005	Probable	West Nile Fever	Stanislaus	64

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<b>Virus</b>	<b>Onset Date</b>	<b>Status</b>	<b>Diagnosis</b>	<b>County</b>	<b>Age</b>
WNV	8/16/2005	Probable	West Nile Fever	Stanislaus	54
WNV	8/12/2005	Probable	West Nile Fever	San Bernardino	71
WNV	8/9/2005	Probable	West Nile Fever	Placer	>18
WNV	8/7/2005	Probable	West Nile Fever	Solano	>65
WNV	n/a	Probable	Unknown	Yuba	n/a
<b>WNV</b>	<b>Unk</b>	<b>Probable</b>	<b>West Nile Neuroinvasive Disease</b>	<b>Kings</b>	<b>&gt;65</b>
WNV	Week 31	Probable	West Nile Fever	Butte	>18
WNV	8/21/2005	Probable	Unknown	Placer	>18
WNV	8/20/2005	Probable	West Nile Neuroinvasive Disease	Los Angeles	78
WNV	7/8/2005	Probable	West Nile Neuroinvasive Disease	Los Angeles	<18
WNV	8/10/2005	Probable	West Nile Neuroinvasive Disease	Los Angeles	68
WNV	8/15/2005	Probable	West Nile Fever	Tulare	58
WNV	6/3/2005	Probable	West Nile Neuroinvasive Disease	Tulare	30
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Tulare	48
WNV	8/18/2005	Probable	West Nile Neuroinvasive Disease	Tulare	49
WNV	8/10/2005	Probable	West Nile Neuroinvasive Disease	Tulare	22
WNV	8/1/2005	Probable	West Nile Fever	San Joaquin	50
WNV	8/22/2005	Probable	West Nile Fever	San Joaquin	41
WNV	8/6/2005	Probable	West Nile Fever	San Joaquin	41
WNV	8/26/2005	Probable	West Nile Neuroinvasive Disease	San Joaquin	48
WNV	8/12/2005	Probable	WNF	San Joaquin	26
WNV	8/16/2005	Probable	West Nile Neuroinvasive Disease	Contra Costa	72
WNV	8/3/2005	Probable	West Nile Neuroinvasive Disease	Contra Costa	69
WNV	8/2/2005	Probable	West Nile Neuroinvasive Disease	Los Angeles	60
WNV	8/10/2005	Probable	Unknown	Riverside	61
WNV	8/18/2005	Probable	Unknown	Riverside	80
WNV	8/14/2005	Probable	Unknown	Riverside	48
WNV	8/22/2005	Probable	Unknown	Riverside	75
WNV	Unk	Probable	Unknown	Riverside	63
WNV	8/2/2005	Probable	West Nile Fever	Placer	>18
WNV	8/3/2005	Probable	West Nile Fever	Merced	69
WNV	8/3/2005	Probable	West Nile Fever *	Merced	69
WNV	8/9/2005	Probable	West Nile Neuroinvasive Disease	Merced	56
WNV	8/8/2005	Probable	West Nile Fever	Merced	55
WNV	8/29/2005	Probable	West Nile Fever *	Merced	46
WNV	8/5/2005	Probable	West Nile Neuroinvasive Disease	Merced	51
WNV	8/14/2005	Probable	West Nile Fever	Merced	40
WNV	8/8/2005	Probable	West Nile Fever	Sacramento	<18
WNV	Unk	Probable	West Nile Fever	Contra Costa	67
WNV	7/20/2005	Probable	West Nile Fever *	Madera	>18
WNV	Week 32	Probable	West Nile Fever	Butte	>18
WNV	Unk	Probable	Unknown	Fresno	42

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<b>Virus</b>	<b>Onset Date</b>	<b>Status</b>	<b>Diagnosis</b>	<b>County</b>	<b>Age</b>
WNV	8/15/2005	Probable	West Nile Fever	Fresno	53
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Fresno	66
WNV	8/1/2005	Probable	Unknown	Fresno	49
WNV	Unk	Probable	Unknown	Fresno	50
WNV	8/4/2005	Probable	Unknown	Fresno	41
WNV	8/31/2005	Probable	Unknown	Fresno	43
WNV	8/18/2005	Probable	West Nile Fever	Fresno	71
WNV	n/a	Probable	West Nile Neuroinvasive Disease	Glenn	n/a
WNV	8/17/2005	Probable	West Nile Neuroinvasive Disease	Kern	39
WNV	8/10/2005	Probable	West Nile Neuroinvasive Disease	Kern	60
WNV	8/7/2005	Probable	West Nile Fever	Kern	35
WNV	8/19/2005	Probable	West Nile Neuroinvasive Disease	Kings	>18
WNV	8/21/2005	Probable	WNF	Santa Clara	54
WNV	Unk	Probable	Unknown	San Bernardino	36
WNV	Unk	Probable	Unknown	San Bernardino	70
WNV	8/20/2005	Probable	Unknown	San Bernardino	39
WNV	8/8/2005	Probable	West Nile Neuroinvasive Disease	San Bernardino	47
WNV	Unk	Probable	Unknown	San Bernardino	39
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Solano	>65
WNV	8/13/2005	Probable	West Nile Fever	Stanislaus	27
WNV	8/16/2005	Probable	West Nile Fever	Sacramento	67
WNV	8/14/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	54
WNV	9/3/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	84
WNV	8/12/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	64
WNV	8/18/2005	Probable	West Nile Fever	Sacramento	73
WNV	8/23/2005	Probable	West Nile Fever	Sacramento	64
WNV	8/12/2005	Probable	West Nile Fever	Sacramento	52
WNV	8/18/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	43
WNV	7/26/2005	Probable	West Nile Fever	Sacramento	88
WNV	8/10/2005	Probable	West Nile Fever	Sacramento	70
WNV	8/21/2005	Probable	West Nile Fever	Sacramento	49
WNV	9/1/2005	Probable	West Nile Neuroinvasive Disease	Stanislaus	20
WNV	8/17/2005	Probable	West Nile Fever	San Joaquin	44
WNV	8/24/2005	Probable	West Nile Fever	San Joaquin	84
WNV	9/1/2005	Probable	West Nile Neuroinvasive Disease	San Joaquin	49
WNV	n/a	Probable	Asymptomatic Blood Donor	Amador	n/a
WNV	n/a	Probable	Asymptomatic (Not a Blood Donor)	San Joaquin	66
WNV	n/a	Probable	Asymptomatic Blood Donor	Merced	67
WNV	n/a	Probable	Asymptomatic Blood Donor	Sacramento	26

**Bolded entries refer to fatalities.**

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

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## Virus Positive From Mosquito Pools:

Virus	Mosquito Species	Date Collected	Agency Site	Pool #	County	City	Date Received
WN	Cx tarsalis	9/1/05	BUCO0064	12	Butte	Chico	9/7/05
WN	Cx quinquefasciatus	9/7/05	CNSL4003	260	Fresno	Selma	9/7/05
WN	Cx tarsalis	8/30/05	COAV5001	2317	Imperial	Niland	9/8/05
WN	Cx tarsalis	8/30/05	COAV5001	2319	Imperial	Niland	9/8/05
WN	Cx tarsalis	8/30/05	COAV5001	2320	Imperial	Niland	9/8/05
WN	Cx tarsalis	8/29/05	FRNO0011	28	Fresno	Fresno	9/1/05
WN	Cx quinquefasciatus	8/29/05	FRNO0011	35	Fresno	Fresno	9/1/05
WN	Cx tarsalis	8/30/05	KERN0014	412	Kern	Bakersfield	9/8/05
WN	Cx tarsalis	8/30/05	KERN0015	414	Kern	Pumpkin Center	9/8/05
WN	Cx quinquefasciatus	8/31/05	KERN0029	420	Kern	Lamont	9/8/05
WN	Cx tarsalis	8/31/05	KERN0031	421	Kern	Arvin	9/8/05
WN	Cx quinquefasciatus	8/31/05	KERN0032	424	Kern	Arvin	9/8/05
WN	Cx tarsalis	8/31/05	KERN0033	425	Kern	Arvin	9/8/05
WN	Cx quinquefasciatus	8/31/05	KERN0033	426	Kern	Arvin	9/8/05
WN	Cx quinquefasciatus	8/31/05	KERN2023	427	Kern	Arvin	9/8/05
WN	Cx quinquefasciatus	9/1/05	KERN0043	428	Kern	Shafter	9/8/05
WN	Cx quinquefasciatus	9/1/05	KERN0044	429	Kern	Shafter	9/8/05
WN	Cx quinquefasciatus	9/1/05	KERN0044	431	Kern	Shafter	9/8/05
WN	Cx quinquefasciatus	9/1/05	KERN2021	433	Kern	Wasco	9/8/05
WN	Cx quinquefasciatus	9/1/05	KERN2022	434	Kern	Shafter	9/8/05
WN	Cx quinquefasciatus	9/2/05	KERN2001	435	Kern	Bakersfield	9/8/05
WN	Cx quinquefasciatus	9/2/05	KERN2001	437	Kern	Bakersfield	9/8/05
WN	Cx quinquefasciatus	9/2/05	KERN2015	441	Kern	Bakersfield	9/8/05
WN	Cx quinquefasciatus	9/2/05	KERN2018	446	Kern	Bakersfield	9/8/05
WN	Cx quinquefasciatus	9/2/05	KERN2018	447	Kern	Bakersfield	9/8/05
WN	Cx tarsalis	8/30/05	KERN0089	5762	Kern	Lost Hills	9/8/05
WN	Cx tarsalis	8/30/05	KERN0038	5771	Kern	Shafter	9/8/05
WN	Cx tarsalis	8/30/05	MERC0512	288	Merced	Atwater	9/2/05
WN	Cx pipiens	8/31/05	MERC0505	310	Merced	Livingston	9/2/05
WN	Cx pipiens	8/31/05	MERC0507	312	Merced	Livingston	9/2/05
WN	Cx pipiens	8/31/05	MERC0507	313	Merced	Livingston	9/2/05
WN	Cx pipiens	8/31/05	MERC0506	315	Merced	Livingston	9/2/05
WN	Cx quinquefasciatus	8/30/05	ORCO0016	2617	Orange	Yorba Linda	9/7/05
WN	Cx quinquefasciatus	8/30/05	ORCO0052	2623	Orange	Anaheim	9/7/05
WN	Cx quinquefasciatus	8/30/05	ORCO0052	2624	Orange	Anaheim	9/7/05
WN	Cx quinquefasciatus	8/30/05	ORCO0002	2625	Orange	Fullerton	9/7/05
WN	Cx tarsalis	8/30/05	SAYO2213	1176	Sacramento	Elk Grove	9/6/05
WN	Cx pipiens	9/1/05	SAYO3220	1243	Yolo	Yolo	9/6/05
WN	Cx pipiens	9/2/05	SAYO4262	1274	Sacramento	Elk Grove	9/6/05
WN	Cx pipiens	9/2/05	SAYO4225	1290	Sacramento	Rancho Cordova	9/6/05

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WN	Cx tarsalis	9/2/05	SAYO4277	1300	Sacramento	Wilton	9/6/05
WN	Cx tarsalis	9/2/05	SAYO4204	1305	Sacramento	Sacramento	9/6/05
WN	Cx tarsalis	9/3/05	SAYO4250	1322	Sacramento	Sacramento	9/7/05
WN	Cx pipiens	9/7/05	SAYO8228	5175	Solano	Davis	9/7/05
WN	Cx tarsalis	9/6/05	VENT1001	29	Ventura	Oxnard	9/6/05
WEE	Cx tarsalis	8/30/05	KERN0013	410	Kern	Bakersfield	9/8/05
WEE	Cx tarsalis	8/31/05	KERN0083	423	Kern	Arvin	9/8/05
WEE	Cx tarsalis	8/31/05	KERN0033	425	Kern	Arvin	9/8/05

### 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	Band # 8	Band # 9	Band # 10
****	WNV	CNSL5005	Fresno	CA	Fresno	Fresno Roofing	8/8/05	0029	, 0031	, 0032	, 0034	, 0035					
	WNV	CNSL5008	Fresno	CA	Orange Cove	O. Mitchell	8/23/05	0071									
****	WNV	CNSL5008	Fresno	CA	Orange Cove	O. Mitchell	8/9/05	0072	, 0075	, 0076							
****	WNV	IMPR0002	Imperial	CA	Seeley	Campbell's Site	7/20/05	5845									
	WNV	IMPR0002	Imperial	CA	Seeley	Campbell's Site	8/31/05	5836	, 5837	, 5838	, 5839	, 5840	, 5841	, 5842	, 5843	, 5844	
****	WNV	WEST6203	Kern	CA	B.V. Lake	B.V. Lake	8/9/05	4568	, 4569	, 4570							
****	WNV	GRLA1003	Los Angeles	CA	Encino	Encino	8/15/05	7223	, 7227	, 7230							
****	WNV	GRLA1001	Los Angeles	CA	Harbor City	Machado Lake	8/15/05	7203									
****	WNV	MADR4123	Madera	CA	Chowchilla	Calley Farm	8/10/05	4584									
****	WNV	MERC0501	Merced	CA	El Nido	Homen	8/8/05	5989	, 5992	, 5994							
	WNV	NWST9401	Riverside	CA	Corona	Corona Airport	8/30/05	1037	, 1038	, 1042							
	WNV	COAV0204	Riverside	CA	Indio	York	8/29/05	0728	, 0733	, 8931							
	WNV	NWST6666	Riverside	CA	Lake Elsinore	Lake Elsinore	8/30/05	1052									
	WNV	COAV0200	Riverside	CA	Mecca	Mecca	8/29/05	8947	, 8988								
	WNV	COAV0208	Riverside	CA	Niland	Mesquite	8/29/05	0757									
	WNV	COAV0208	Riverside	CA	Niland	Mesquite	8/1/05	0760									
****	WNV	COAV0208	Riverside	CA	Niland	Mesquite	7/18/05	0763									
	WNV	COAV0131	Riverside	CA	Oasis	Jessup	8/29/05	8943									
	WNV	NWST0004	Riverside	CA	Rubidoux	Rancho Jurupa	8/30/05	1060	, 6196								
	WNV	WVAL0002	San Bernardino	CA	Chino	Dog Club	8/29/05	5704									
	WNV	WVAL0009	San Bernardino	CA	Rancho Cucamonga	Gerry	8/29/05	5720									

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	WNV	SBCO0001	Santa Barbara	CA	Goleta	Goleta Sanitary District	8/29/05	5103	5109									
	WNV	SBCO0004	Santa Barbara	CA	Goleta	Goleta Historical Museum	8/29/05	5134	5135	5136								
	WNV	SOLA0125	Solano	CA	Cordelia	F. R. Smith Equipement Co.	8/30/05	0419	0420	0421	0422	0423	0424	0425	0427	0429	0430	
	WNV	SOLA0010	Solano	CA	Vacaville	Hanson Ranch	8/30/05	0406	0407	0408	0409	0410	0412	0413	0416	0417		
	WNV	DLTA6008	Tulare	CA	Goshen	Joe Costa	8/30/05	0672	0673	0675	0676	0679						
	WNV	TLRE0012	Tulare	CA	Tulare	TMAD	8/30/05	0540	0543									
	WNV	DLTA4003	Tulare	CA	Woodlake	St. John's	8/30/05	4971	4975	4977	4978	4979						
****	WNV	SUYA0071	Yuba	CA	Olivehurst	Roller	8/11/05	0497	0500									
	WEE	COAV0131	Riverside	CA	Oasis	Jessup	8/29/05	8555										
****	Flav	IMPR0013	Imperial	CA	Brawley	Brawley	8/31/05	5851										
	Flav	IMPR0016	Imperial	CA	Holtville	Zenos's Site	8/31/05	5856										
****	Flav	GRLA1010	Los Angeles	CA	Chatsworth	Chatsworth	8/30/05	9311										
****	Flav	ANTV2878	Los Angeles	CA	Lancaster	Burton	8/31/05	8831	8834									
	Flav	ANTV5662	Los Angeles	CA	Lancaster	Lombardo	8/31/05	8837	8838	8839								
	Flav	ANTV7947	Los Angeles	CA	Palmdale	PWD Headquater	8/31/05	8801	8803									
****	Flav	GRLA2222	Los Angeles	CA	Rowland Heights	Rowland Heights	8/29/05	7251	7255									
****	Flav	GRLA1004	Los Angeles	CA	Valencia	Vista Valencia	8/31/05	7233										
	Flav	PLCR0027	Placer	CA	Loomis	Loomis	9/6/05	842										
	Flav	PLCR0025	Placer	CA	Scilacci	Scilacci	9/6/05	836										
	Flav	NWST0002	Riverside	CA	Glen Ivy Hot Springs	Temescal Fire Station	8/30/05	1065	1066	1067	1068							
	Flav	COAV0035	Riverside	CA	Mecca	Adohr	8/29/05	8862	8866									
****	Flav	COAV5001	Riverside	CA	Niland	Wister	8/29/05	8921	8922	8923	8924	8925	8926	8927	8928	8929	8930	
****	Flav	COAV5002	Riverside	CA	Niland	Bono Wild Life Reserve	8/29/05	0742										
****	Flav	COAV0203	Riverside	CA	Palm Desert	Cook	8/29/05	0767	0769	0770								
	Flav	COAV5003	Riverside	CA	Westmoreland	West Mo	8/29/05	0750	0752									
	Flav	SAYO7001	Sacramento	CA	Galt	Galt	9/6/05	6044										
	Flav	SAYO7002	Sacramento	CA	Hood	Hood	9/6/05	6036	6038									
	Flav	WVAL0001	San Bernardino	CA	Chino	Kimball	8/29/05	1103										
****	Flav	WVAL0007	San Bernardino	CA	Montclair	Water District	8/29/05	1104	5717	5718								
****	Flav	WVAL0006	San Bernardino	CA	Ontario	Hilardes	8/29/05	5715										
****	Flav	SOLA0224	Solano	CA	Collinsville	Jean Anderson Ranch	8/30/05	0440										
	Flav	DLTA1001	Tulare	CA	Kingsburg	Johnson, M&G	8/30/05	4954										
	Flav	DLTA1002	Tulare	CA	Reedley	Brant, J	8/30/05	4962										
	Flav	SAYO6001	Yolo	CA	Knights Landing	Knights Landing	9/6/05	6087										

## WNV Positive Dead Birds Reported (September 5- September 9)

Species	County	City	ZIP	Date Collected	Date Tested	Tested By
American Crow	Alameda	Livermore	94550	9/6/05	9/6/05	RAMP
American Crow	Alameda	Pleasanton	94588	9/6/05	9/6/05	RAMP
American Crow	Butte	Oroville	95965	8/7/05	9/6/05	RT-PCR
American Crow	Butte	Oroville	95966	8/7/05	9/6/05	RT-PCR

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American Crow	Contra Costa	Walnut Creek	94596	8/26/05	8/26/05	RAMP
American Crow	El Dorado	Cool	95614	8/24/05	8/24/05	VecTest
American Crow	El Dorado	Placerville	95667	8/30/05	8/30/05	VecTest
American Crow	Kern	Bakersfield	93308	8/24/05	9/6/05	RT-PCR
American Crow	Kern	Bakersfield	93308	8/26/05	9/6/05	RT-PCR
American Crow	Kern	Bakersfield	93311	8/26/05	9/6/05	RT-PCR
American Crow	Kings	Hanford	93230	8/28/05	9/6/05	RT-PCR
American Crow	Los Angeles	Canyon Country	91351	8/24/05	9/6/05	RT-PCR
American Crow	Los Angeles	West Covina	91791	8/11/05	9/6/05	RT-PCR
American Crow	Los Angeles	Canyon Country	91351	8/29/05	8/29/05	VecTest
American Crow	Los Angeles	Castaic	91384	8/29/05	8/29/05	VecTest
American Crow	Los Angeles	Castaic	91384	8/29/05	8/29/05	VecTest
American Crow	Los Angeles	Encino	91316	8/25/05	8/25/05	VecTest
American Crow	Los Angeles	Encino	91316	8/26/05	8/26/05	VecTest
American Crow	Los Angeles	Lake Hughes	93532	8/24/05	8/24/05	VecTest
American Crow	Los Angeles	San Fernando	91340	8/29/05	8/29/05	VecTest
American Crow	Los Angeles	Santa Clarita	91351	8/29/05	8/29/05	VecTest
American Crow	Los Angeles	Van Nuys	91406	8/30/05	8/30/05	VecTest
American Crow	Los Angeles	San Dimas	91773	9/1/05	9/1/05	RAMP
American Crow	Mendocino	Redwood Valley	95470	8/24/05	9/6/05	RT-PCR
American Crow	Mendocino	Redwood Valley	95470	8/28/05	9/6/05	RT-PCR
American Crow	Mendocino	Redwood Valley	95470	8/29/05	9/6/05	RT-PCR
American Crow	Mendocino	Ukiah	95482	8/25/05	9/6/05	RT-PCR
American Crow	Merced	Livingston	95334	8/26/05	9/6/05	RT-PCR
American Crow	Merced	Merced	95340	8/29/05	9/6/05	RT-PCR
American Crow	Merced	Merced	95340	8/29/05	9/6/05	RT-PCR
American Crow	Nevada	Penn Valley	95946	8/26/05	9/6/05	RT-PCR
American Crow	Orange	Anaheim	90630	8/9/05	8/9/05	IHC
American Crow	Orange	Anaheim	92606	8/11/05	8/11/05	IHC
American Crow	Orange	Anaheim	92697	8/19/05	8/19/05	IHC
American Crow	Orange	Buena Park	92612	8/12/05	8/12/05	IHC
American Crow	Orange	Buena Park	92612	8/18/05	8/18/05	IHC
American Crow	Orange	Costa Mesa	92676	8/17/05	8/17/05	IHC
American Crow	Orange	Cypress	92870	8/4/05	8/4/05	IHC
American Crow	Orange	Dana Point	92708	8/17/05	8/17/05	IHC
American Crow	Orange	Fountain Valley	92604	8/12/05	8/12/05	IHC
American Crow	Orange	Fullerton	92805	8/11/05	8/11/05	IHC
American Crow	Orange	Fullerton	92646	8/18/05	8/18/05	IHC
American Crow	Orange	Garden Grove	92679	8/11/05	8/11/05	IHC
American Crow	Orange	Garden Grove	92646	8/19/05	8/19/05	IHC
American Crow	Orange	Huntington Beach	92801	8/8/05	8/8/05	IHC
American Crow	Orange	Huntington Beach	92646	8/10/05	8/10/05	IHC
American Crow	Orange	Huntington Beach	92807	8/10/05	8/10/05	IHC
American Crow	Orange	Huntington Beach	92840	8/11/05	8/11/05	IHC
American Crow	Orange	Huntington Beach	92867	8/16/05	8/16/05	IHC
American Crow	Orange	Huntington Beach	92646	8/17/05	8/17/05	IHC
American Crow	Orange	Huntington Beach	92705	8/24/05	8/24/05	IHC



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American Crow	Orange	Irvine	92831	8/4/05	8/4/05	IHC
American Crow	Orange	Irvine	90620	8/7/05	8/7/05	IHC
American Crow	Orange	Irvine	92869	8/7/05	8/7/05	IHC
American Crow	Orange	Irvine	92708	8/8/05	8/8/05	IHC
American Crow	Orange	Irvine	90720	8/8/05	8/8/05	IHC
American Crow	Orange	Irvine	92620	8/10/05	8/10/05	IHC
American Crow	Orange	Irvine	92705	8/13/05	8/13/05	IHC
American Crow	Orange	Irvine	92620	8/15/05	8/15/05	IHC
American Crow	Orange	Irvine	92869	8/19/05	8/19/05	IHC
American Crow	Orange	Irvine	92649	8/21/05	8/21/05	IHC
American Crow	Orange	North Tustin	92651	8/17/05	8/17/05	IHC
American Crow	Orange	North Tustin	92706	8/23/05	8/23/05	IHC
American Crow	Orange	Orange	92707	8/12/05	8/12/05	IHC
American Crow	Orange	Orange	92624	8/16/05	8/16/05	IHC
American Crow	Orange	Orange	92869	8/17/05	8/17/05	IHC
American Crow	Orange	Orange	90620	8/19/05	8/19/05	IHC
American Crow	Orange	Orange	90720	8/24/05	8/24/05	IHC
American Crow	Orange	Placentia		8/8/05	8/8/05	IHC
American Crow	Orange	Placentia		8/23/05	8/23/05	IHC
American Crow	Orange	Rossmoor	92804	8/18/05	8/18/05	IHC
American Crow	Orange	Rossmoor	92866	8/19/05	8/19/05	IHC
American Crow	Orange	Santa Ana	92840	8/4/05	8/4/05	IHC
American Crow	Orange	Santa Ana	90720	8/11/05	8/11/05	IHC
American Crow	Orange	Santa Ana		8/15/05	8/15/05	IHC
American Crow	Orange	Santa Ana	92604	8/17/05	8/17/05	IHC
American Crow	Orange	Santa Ana	92705	8/18/05	8/18/05	IHC
American Crow	Orange	Tustin	92867	8/18/05	8/18/05	IHC
American Crow	Orange	Yorba Linda	92649	8/16/05	8/16/05	IHC
American Crow	Riverside	Corona	92880	8/25/05	9/6/05	RT-PCR
American Crow	Riverside	Norco	92860	8/24/05	9/6/05	RT-PCR
American Crow	Sacramento	Sacramento	95818	8/24/05	9/6/05	RT-PCR
American Crow	Sacramento	Sacramento	95818	8/26/05	9/6/05	RT-PCR
American Crow	San Bernardino	Chino	91710	8/30/05	8/30/05	RAMP
American Crow	San Bernardino	Chino Hills	91709	8/31/05	8/31/05	RAMP
American Crow	San Bernardino	Rancho Cucamonga	91730	8/29/05	8/29/05	RAMP
American Crow	San Diego	Alpine	91901	8/30/05	8/30/05	VecTest
American Crow	San Diego	Chula Vista	91911	8/31/05	8/31/05	VecTest
American Crow	San Diego	Fallbrook	92028	8/26/05	8/26/05	VecTest
American Crow	San Diego	Fallbrook	92028	8/27/05	8/27/05	VecTest
American Crow	San Diego	Fallbrook	92028	8/29/05	8/29/05	VecTest
American Crow	San Diego	Fallbrook	92028	9/1/05	9/1/05	VecTest
American Crow	San Diego	Poway	92064	8/30/05	8/30/05	VecTest
American Crow	San Luis Obispo	Atascadero	93422	8/17/05	9/6/05	RT-PCR
American Crow	San Luis Obispo	Atascadero	93422	8/22/05	9/6/05	RT-PCR
American Crow	San Luis Obispo	Atascadero	93422	8/26/05	9/6/05	RT-PCR
American Crow	San Luis Obispo	Atascadero	93422	8/26/05	9/6/05	RT-PCR
American Crow	San Luis Obispo	Atascadero	93422	8/26/05	9/6/05	RT-PCR

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American Crow	San Mateo	Burlingame	94010	8/25/05	9/6/05	RT-PCR
American Crow	Santa Barbara	Goleta	93117	8/25/05	9/6/05	RT-PCR
American Crow	Santa Barbara	Goleta	93117	8/25/05	9/6/05	RT-PCR
American Crow	Santa Barbara	Goleta	93117	8/30/05	9/6/05	RT-PCR
American Crow	Santa Barbara	Santa Barbara	93110	8/30/05	9/6/05	RT-PCR
American Crow	Stanislaus	Denair	95316	8/29/05	9/6/05	RT-PCR
American Crow	Stanislaus	Modesto	95356	8/30/05	9/6/05	RT-PCR
American Crow	Stanislaus	Oakdale	95361	8/26/05	9/6/05	RT-PCR
American Crow	Tehama	Red Bluff	96080	8/29/05	9/6/05	RT-PCR
American Crow	Ventura	Camarillo	93010	8/25/05	9/6/05	RT-PCR
American Crow	Ventura	Ojai	93023	8/30/05	9/6/05	RT-PCR
American Crow	Ventura	Oxnard	93030	8/31/05	9/6/05	RT-PCR
American Robin	Glenn	Willows	95988	8/22/05	9/6/05	RT-PCR
American Robin	Orange	Trabuco Canyon	92870	8/10/05	8/10/05	IHC
Barn Owl	Kern	Edwards	93524	8/17/05	9/6/05	RT-PCR
Barn Owl	San Diego	San Marcos	92078	8/19/05	9/6/05	RT-PCR
Barn Sparrow	Santa Cruz	Watsonville	95076	8/17/05	9/6/05	RT-PCR
Black Phoebe	Solano	Benicia	94510	8/23/05	9/6/05	RT-PCR
Brewer's Blackbird	Los Angeles	Palmdale	93551	8/29/05	9/6/05	RT-PCR
California Quail	Lake	Lower Lake	95457	8/17/05	9/6/05	RT-PCR
California Towhee	Amador	Volcano	95689	9/1/05	9/6/05	RT-PCR
Common Raven	Orange	Irvine	92708	8/5/05	8/5/05	IHC
Cooper's Hawk	Los Angeles	North Hollywood	91601	8/15/05	9/6/05	RT-PCR
Flamingo	Riverside	Palm Desert	92260	9/1/05	9/6/05	RT-PCR
Flycatcher	Sacramento	Elk Grove	95624	8/24/05	9/6/05	RT-PCR
Great Horned Owl	Los Angeles	Santa Clarita	91350	8/22/05	9/6/05	RT-PCR
House Finch	Amador	Jackson	95642	8/24/05	9/6/05	RT-PCR
House Finch	Amador	Jackson	95642	8/30/05	9/6/05	RT-PCR
House Finch	Contra Costa	Concord	94521	8/24/05	9/6/05	RT-PCR
House Finch	Contra Costa	Pleasant Hill	94523	8/23/05	9/6/05	RT-PCR
House Finch	El Dorado	El Dorado	95623	8/24/05	9/6/05	RT-PCR
House Finch	Los Angeles	Sylmar	91350	8/25/05	9/6/05	RT-PCR
House Finch	Los Angeles	Woodland Hills	91364	8/30/05	9/6/05	RT-PCR
House Finch	Orange	Santa Ana	92606	8/17/05	8/17/05	IHC
House Finch	Riverside	Corona	92883	8/25/05	9/6/05	RT-PCR
House Finch	Tulare	Visalia	93292	8/24/05	9/6/05	RT-PCR
House Finch	Tulare	Visalia	93291	8/25/05	9/6/05	RT-PCR
House Finch	Ventura	Ventura	93004	8/25/05	9/6/05	RT-PCR
House Sparrow	Orange	Fountain Valley	92612	8/11/05	8/11/05	IHC
House Sparrow	Orange	Irvine	92887	8/22/05	8/22/05	IHC
House Sparrow	Orange	Los Alamitos	92646	8/12/05	8/12/05	IHC
House Sparrow	Sacramento	Elk Grove	95758	8/25/05	9/6/05	RT-PCR
House Sparrow	San Mateo	South San Francisco	94080	8/26/05	9/6/05	RT-PCR
House Sparrow	Tulare	Dinuba	93618	8/25/05	9/6/05	RT-PCR
Mallard	Tuolumne	Sonora	95370	8/18/05	9/6/05	RT-PCR
Northern Mockingbird	Orange	Anaheim		8/10/05	8/10/05	IHC
Northern Mockingbird	Orange	Laguna Beach	92626	8/17/05	8/17/05	IHC

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Northern Mockingbird	Orange	Orange	92866	8/11/05	8/11/05	IHC
Northern Mockingbird	Orange	Orange	92780	8/18/05	8/18/05	IHC
Northern Mockingbird	Ventura	Simi Valley	93065	8/31/05	9/6/05	RT-PCR
Oak Titmouse	Nevada	Grass Valley	95949	8/24/05	9/6/05	RT-PCR
Pelagic Cormorant	Santa Barbara	Santa Barbara	93111	8/18/05	9/6/05	RT-PCR
Red-Tailed Hawk	Contra Costa	Alamo	94507	8/23/05	9/6/05	RT-PCR
Red-Tailed Hawk	Kern	Lebec	93243	8/25/05	9/6/05	RT-PCR
Sharp-Shinned Hawk	Napa	Saint Helena	94574	8/19/05	9/6/05	RT-PCR
Sharp-shinned Hawk	San Diego	San Diego	92119	8/25/05	9/6/05	RT-PCR
Sharp-shinned Hawk	Sonoma	Sonoma	95476	8/26/05	9/6/05	RT-PCR
Steller's Jay	Mendocino	Redwood Valley	95470	8/30/05	9/6/05	RT-PCR
Western Bluebird	Tulare	Woodlake	93286	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Alameda	Pleasanton	94588	8/30/05	8/30/05	RAMP
Western Scrub-Jay	Butte	Paradise	95969	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	Calaveras	Copperopolis	95228	8/30/05	9/6/05	RT-PCR
Western Scrub-Jay	Contra Costa	Concord	94518	8/22/05	9/6/05	RT-PCR
Western Scrub-Jay	Contra Costa	Danville	94506	8/22/05	9/6/05	RT-PCR
Western Scrub-Jay	Contra Costa	Pittsburg	94565	8/23/05	9/6/05	RT-PCR
Western Scrub-Jay	El Dorado	Camino	95709	8/23/05	9/6/05	RT-PCR
Western Scrub-Jay	El Dorado	Placerville	95667	8/19/05	9/6/05	RT-PCR
Western Scrub-Jay	El Dorado	Placerville	95667	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	El Dorado	Rescue	95672	8/26/05	9/6/05	RT-PCR
Western Scrub-Jay	El Dorado	Cool	95614	9/1/05	9/1/05	VecTest
Western Scrub-Jay	El Dorado	Placerville	95667	8/25/05	8/25/05	VecTest
Western Scrub-Jay	El Dorado	Placerville	95667	8/29/05	8/29/05	VecTest
Western Scrub-Jay	El Dorado	Pollock Pines	95726	8/28/05	8/28/05	VecTest
Western Scrub-Jay	Fresno	Kingsburg	93631	8/26/05	9/6/05	RT-PCR
Western Scrub-Jay	Kern	Bakersfield	93309	8/29/05	9/6/05	RT-PCR
Western Scrub-Jay	Lake	Lakeport	95453	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Lake	Lakeport	95453	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Lake	Lakeport	95453	8/26/05	9/6/05	RT-PCR
Western Scrub-Jay	Lake	Lower Lake	95457	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	Lake	Clearlake	95422	8/22/05	8/22/05	VecTest
Western Scrub-Jay	Lake	Kelseyville	95451	8/26/05	8/26/05	VecTest
Western Scrub-Jay	Lake	Lakeport	95453	9/1/05	9/1/05	VecTest
Western Scrub-Jay	Lassen	Mcarthur	96056	8/22/05	9/6/05	RT-PCR
Western Scrub-Jay	Los Angeles	Santa Clarita	93155	8/22/05	9/6/05	RT-PCR
Western Scrub-Jay	Los Angeles	Santa Clarita	91390	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Mariposa	Mariposa	95338	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	Mendocino	Potter Valley	95469	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	Mendocino	Redwood Valley	95470	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Mendocino	Redwood Valley	95470	8/29/05	9/6/05	RT-PCR
Western Scrub-Jay	Mendocino	Ukiah	95482	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	Mendocino	Ukiah	95482	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Mendocino	Ukiah	95482	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Mendocino	Ukiah	95482	8/29/05	9/6/05	RT-PCR
Western Scrub-Jay	Mendocino	Willits	95490	8/25/05	9/6/05	RT-PCR

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Western Scrub-Jay	Merced	Atwater	95301	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95340	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Napa	Saint Helena	94574	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Nevada	Grass Valley	95949	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	Nevada	Grass Valley	95945	8/30/05	9/6/05	RT-PCR
Western Scrub-Jay	Nevada	Penn Valley	95946	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Orange	Modjeska Canyon	92705	8/8/05	8/8/05	IHC
Western Scrub-Jay	Sacramento	Sacramento	95815	8/23/05	9/6/05	RT-PCR
Western Scrub-Jay	Sacramento	Sacramento	95822	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	San Diego	El Cajon	92021	8/26/05	9/6/05	RT-PCR
Western Scrub-Jay	San Diego	Ramona	92065	8/29/05	9/6/05	RT-PCR
Western Scrub-Jay	San Diego	San Diego	92109	8/26/05	9/6/05	RT-PCR
Western Scrub-Jay	San Diego	Valley Center	92082	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	San Diego	El Cajon	92021	8/28/05	8/28/05	VecTest
Western Scrub-Jay	San Diego	Escondido	92027	8/28/05	8/28/05	VecTest
Western Scrub-Jay	San Diego	Escondido	92026	8/29/05	8/29/05	VecTest
Western Scrub-Jay	San Luis Obispo	Atascadero	93422	8/8/05	9/6/05	RT-PCR
Western Scrub-Jay	San Luis Obispo	Atascadero	93422	8/18/05	9/6/05	RT-PCR
Western Scrub-Jay	San Luis Obispo	Atascadero	93422	8/23/05	9/6/05	RT-PCR
Western Scrub-Jay	San Luis Obispo	Creston	93432	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	San Luis Obispo	Creston	93432	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	San Luis Obispo	Paso Robles	93446	8/9/05	9/6/05	RT-PCR
Western Scrub-Jay	San Luis Obispo	Paso Robles	93446	8/12/05	9/6/05	RT-PCR
Western Scrub-Jay	San Luis Obispo	Templeton	93465	8/22/05	9/6/05	RT-PCR
Western Scrub-Jay	Santa Barbara	Santa Barbara	93111	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	Shasta	Redding	96001	8/31/05	8/31/05	VecTest
Western Scrub-Jay	Siskiyou	Greenview	96037	8/29/05	9/6/05	RT-PCR
Western Scrub-Jay	Solano	Travis AFB	94535	8/23/05	9/6/05	RT-PCR
Western Scrub-Jay	Sonoma	Healdsburg	95448	8/22/05	9/6/05	RT-PCR
Western Scrub-Jay	Stanislaus	Hughson	95326	8/24/05	9/6/05	RT-PCR
Western Scrub-Jay	Stanislaus	Hughson	95326	8/26/05	9/6/05	RT-PCR
Western Scrub-Jay	Tehama	Corning	96021	8/30/05	9/6/05	RT-PCR
Western Scrub-Jay	Tehama	Los Molinos	96055	8/25/05	9/6/05	RT-PCR
Western Scrub-Jay	Tulare	Exeter	93221	8/30/05	9/6/05	RT-PCR
Western Scrub-Jay	Tulare	Ivanhoe	93235	8/26/05	9/6/05	RT-PCR
Western Scrub-Jay	Tulare	Orosi	93647	8/30/05	9/6/05	RT-PCR
Yellow Warbler	Sonoma	Santa Rosa	95405	8/24/05	9/6/05	RT-PCR
Yellow-billed Magpie	Fresno	Fresno	93210	8/30/05	9/6/05	RT-PCR
Yellow-billed Magpie	Glenn	Orland	95963	8/22/05	9/6/05	RT-PCR
Yellow-billed Magpie	Glenn	Orland	95963	8/22/05	9/6/05	RT-PCR
Yellow-billed Magpie	Merced	Atwater	95301	8/29/05	9/6/05	RT-PCR
Yellow-billed Magpie	Merced	Livingston	95334	8/23/05	9/6/05	RT-PCR
Yellow-billed Magpie	Merced	Los Banos	93635	8/24/05	9/6/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95340	8/23/05	9/6/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95340	8/24/05	9/6/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95340	8/25/05	9/6/05	RT-PCR
Yellow-billed Magpie	Merced	Winton	95388	8/24/05	9/6/05	RT-PCR

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Yellow-billed Magpie	Nevada	Grass Valley	95949	8/24/05	9/6/05	RT-PCR
Yellow-billed Magpie	San Luis Obispo	Atascadero	93422	8/16/05	9/6/05	RT-PCR
Yellow-billed Magpie	San Luis Obispo	Atascadero	93422	8/24/05	9/6/05	RT-PCR
Yellow-billed Magpie	San Luis Obispo	Atascadero	93422	8/25/05	9/6/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Hughson	95326	8/29/05	9/6/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95358	8/25/05	9/6/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95382	8/24/05	9/6/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	8/24/05	9/6/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	8/26/05	9/6/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	8/29/05	9/6/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95382	8/30/05	9/6/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Waterford	95386	8/30/05	9/6/05	RT-PCR

### National Comments:

As of September 6, 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 821 human WNV cases have been reported in 2005 from 32 states. At this time in 2004, 1,191 cases had been reported from 36 states and New York City. In 2005, of the 772 cases with available data, the median age is 50 years (range: 3 months-92 years) and 432 (56%) of the cases are male. Three hundred twenty-three (42%) of the cases are neuroinvasive. There have been 18 reported WNV-related fatalities. The median age of the 16 decedents where data is available was 80 years (range: 54-92 years).

# California Arbovirus Surveillance Bulletin # 30

Week 36 Friday, September 9, 2005

## TEST PROTOCOLS

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### **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.

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### **Mosquito Pools:**

All mosquito pools are screened for WEE, SLE, and WNV viral RNA using a Taqman multiplex RT-PCR. CVEC will cease confirmation testing on PCR-positive pools of *Cx. tarsalis* and *Cx. quinquefasciatus* but will continue to confirm multiplex PCR-positive results for other mosquito species using singleplex RT-PCR.

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*Prepared by the Vector-Borne Disease Section (Infectious Diseases Branch) and the Viral and Rickettsial Disease Laboratory Branch, Division of Communicable Disease Control, California Department of Health Services, 850 Marina Bay Parkway, Richmond, CA 94804. Questions concerning this bulletin should be addressed to Al Hom by phone (510) 412-6252, FAX (510) 412-6263, or email [ahom@dhs.ca.gov].*