

# California Arbovirus Surveillance Bulletin # 25

Week 31 Friday, August 5, 2005

## Weekly Summary

### Comments:

#### **Humans:**

As of August 5, 2005, 102 human West Nile virus (WNV) infections have been identified from the following local health jurisdictions: Butte (2), Fresno (7), Kern (10), Kings (11), Merced (1), Orange (2), Placer (1), Riverside (17), Sacramento (21), San Bernardino (4), San Joaquin (1), Solano (1), Stanislaus (11), Sutter (1), Tulare (11), and Ventura (1). Twenty-six of the 102 infections were initially detected in asymptomatic individuals through screening done at blood banks - eight individuals later developed symptoms. In addition to the individuals detected at blood banks, one individual who had no symptoms for WNV was detected through the local health department. Of the 84 WNV cases with symptoms, 27 are classified as West Nile neuroinvasive disease cases, 46 are classified as West Nile fever, and 11 are of unknown clinical presentation. The median age for all symptomatic cases where data is available is 49 years (range: 18-85 years). 49 (59%) of the cases are male. There have been 2 WNV-related fatalities to date in California this year, from Kings (1) and Riverside (1) counties

#### **Horses:**

The California Department of Food & Agriculture reported 37 new confirmed cases of equine WNV in Butte (1), Calaveras (1), Fresno (3), Inyo (1), Kern (7), Kings (1), Madera (1), Merced (1), Placer (1), Riverside (2), Sacramento (5), San Joaquin (2), Solano (2), Stanislaus (3), Sutter (1), Tulare (4), and Yolo (1) counties. These were the first WNV positive horses in Butte, Inyo, Merced, Placer, Solano, and Sutter counties. The YTD total for the State is 86.

#### **Dead Birds:**

This week the hotline received 8,790 dead bird reports, for a YTD total of 60,509 reports. 228 out of 364 (62.6%) dead birds collected from 43 counties tested positive for WNV this week.

- 190 out of 309 (61.5%) dead birds tested positive via RT-PCR.
- 23 out of 23 (100%) corvids tested positive via VecTest.
- 8 out of 8 (100%) corvids tested positive via RAMP.
- 7 out of 24 (29.2%) dead birds tested positive via immunohistochemistry.

The WNV positive dead birds were collected from the following counties: Amador (2); Butte (17); Contra Costa (4); Fresno (11); Glenn (8); Kern (4); Kings (5); Lake (1); Los Angeles (6); Madera (4); Marin (1); Merced (29); Nevada (1); Orange (7); Placer (14); Riverside (11); Sacramento (12); San Bernardino (9); San Diego (1); San Joaquin (1); San Mateo (1); Santa Barbara (2); Santa Clara (2); Solano (3); Sonoma (6); Stanislaus (16); Sutter (1); Tehama (9); Tulare (32); Toulumne (1); Yolo (1); and Yuba (6). **This is the first indication of WNV activity in Marin county in 2005.**

The following bird species tested positive for WNV: acorn woodpecker (1); American crow (66); American robin (2); anna's hummingbird (1); brewer's blackbird (2); bullock's oriole (1); common raven (1); cooper's hawk (3); European starling (2); finch (1); great horned owl (1); house finch (11); house sparrow (10); mockingbird (1); mourning dove (1); northern mockingbird (2); parrot (1); red-shouldered hawk (1); red-tailed hawk (1); ringed turtle-dove (2); sparrow (1); steller's jay (1); unknown (5); western blue-bird (1); western scrub-jay (63); and yellow-billed magpie (46). See "WNV Positive Dead Birds" table for details.

Since January 1, 2005, 1,055 of 5,159 (20.4%) dead birds have tested positive for WNV.

#### **Mosquito Pools:**

WNV: CVEC reported 111 WNV positive mosquito pools from the following counties: Fresno (9), Imperial (1), Kern (14), Lake (1), Los Angeles (17), Madera (1), Merced (2), Orange (10), Placer (2), Riverside (5), Sacramento (13), San Bernardino (20), San Joaquin (1), Santa Barbara (3), Santa Clara (1), Stanislaus (4), Sutter (3), and Yolo (4). This is the first indication of WNV in positive mosquito pools for San Joaquin and Santa Clara counties. The YTD total for the State is 598.

WEE: CVEC reported no positive WEE pools. The YTD for the State remains at 28.

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**Sentinel Chickens: WNV:** VRDL reported 21 seroconversions among 15 flocks from Kern (4), Kings (3), Riverside (8), San Bernardino (5), and Tulare (1) counties. These were the first seroconversions for Kern, Kings and Tulare counties. The current YTD total stands at 26 seroconversions. Additionally, 100 flavivirus positive seroconversions are being sent to VRDL for confirmation testing.

**WEE:** No WEE seroconversions were reported this week. The current YTD stands at 61 seroconversions.

*Reminder: Gemperle Farms has white-leghorn chickens available to districts wanting to replace chickens that have already seroconverted. Please contact Steve Gemperle (209) 667-2651. He will have the chickens for only two weeks before placing them into egg production.*

**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	913	0	46	0	0	0	0	0	0
	YTD	913	0	102	0	0	0	0	0	0
Horses Tested	Week	37	0	37	0	0	0	0	0	0
	YTD	406	0	86	0	0	0	0	0	0

### Dead Birds

	Number Tested	WNV Positive
Week	364	228
YTD	5,159	1,055

### Sentinel Chickens and Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive	Other Positive
Chicken sera	Week	1177*	21	0	0	0
	YTD	19673	26	61	0	0
Mosquito pools	Week	840	111	0	0	0
	YTD	12864	598	28	0	0

\*Total has been adjusted to include local agency submission

### Human Positives Reported (August 1 – August 5):

Virus	Date of Onset	Status	Diagnosis	County	Imported/Local
WNV	7/14/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	Local
WNV	7/15/2005	Probable	Unknown	Sacramento	Local
WNV	6/20/2005	Probable	West Nile Fever	Sacramento	Local
WNV	7/1/2005	Probable	West Nile Fever	Sacramento	Local
WNV	7/12/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	Local
WNV	7/8/2005	Probable	West Nile Fever	Sacramento	Local
WNV	7/16/2005	Probable	West Nile Neuroinvasive Disease	Sacramento	Local
WNV	6/19/2005	Probable	West Nile Fever	San Bernardino	Local
WNV	7/1/2005	Probable	West Nile Fever	San Bernardino	Local
WNV	7/24/2005	Probable	West Nile Fever	Sacramento	Local
WNV	7/18/2005	Probable	West Nile Fever	Sacramento	Local

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WNV	7/27/2005	Probable	West Nile Fever	Stanislaus	Local
WNV	7/7/2005	Probable	West Nile Fever	Stanislaus	Local
WNV	Unknown	Probable	West Nile Neuroinvasive Disease	Stanislaus	Local
WNV	7/21/2005	Probable	West Nile Neuroinvasive Disease	Fresno	Local
WNV	7/10/2005	Probable	West Nile Fever	Fresno	Local
WNV	Unknown	Probable	Unknown	Fresno	Local
WNV	Unknown	Probable	West Nile Neuroinvasive Disease	Fresno	Local
WNV	Unknown	Probable	Unknown	Kern	Local
WNV	7/10/2005	Probable	West Nile Neuroinvasive Disease	Kern	Local
WNV	7/16/2005	Probable	West Nile Fever	Kern	Local
WNV	7/12/2005	Probable	West Nile Neuroinvasive Disease	Kern	Local
WNV	7/20/2005	Probable	Unknown	Orange	Local
WNV	7/26/2005	Probable	West Nile Fever	Stanislaus	Local
WNV	7/14/2005	Probable	Unknown	San Bernardino	Local
WNV	7/21/2005	Probable	Unknown	Riverside	Local
WNV	7/1/2005	Probable	West Nile Neuroinvasive Disease	Riverside	Local
WNV	7/15/2005	Probable	West Nile Neuroinvasive Disease	Riverside	Local
WNV	7/20/2005	Probable	Unknown	Riverside	Local
WNV	7/19/2005	Probable	Unknown	Riverside	Local
WNV	7/20/2005	Probable	Unknown	Riverside	Local
WNV	7/12/2005	Probable	West Nile Fever	Riverside	Local
WNV	7/3/2005	Probable	West Nile Fever	Riverside	Local
WNV	7/19/2005	Probable	West Nile Fever	Kings	Local
WNV	Unknown	Probable	West Nile Fever	Ventura	Local
WNV	n/a	Probable	Asymptomatic Blood Donor	Sacramento	Local
WNV	n/a	Probable	Asymptomatic Blood Donor	Sacramento	Local
WNV	n/a	Probable	Asymptomatic Blood Donor	Sacramento	Local
WNV	n/a	Probable	Asymptomatic Blood Donor	Sacramento	Local
WNV	n/a	Probable	Asymptomatic Blood Donor	Sacramento	Local
WNV	n/a	Probable	Asymptomatic Blood Donor	Sacramento	Local
WNV	n/a	Probable	Asymptomatic Blood Donor	Fresno	Local
WNV	n/a	Probable	Asymptomatic Blood Donor	Butte	Local
WNV	n/a	Probable	Asymptomatic Blood Donor	Stanislaus	Local
WNV	n/a	Probable	Asymptomatic Blood Donor	Stanislaus	Local

### Virus Isolations From Mosquito Pools:

Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WNV	Cx. quinquefasciatus	7/27/05	CNSL	219	Reedley	Fresno	8/3/05
WNV	Cx. quinquefasciatus	7/27/05	CNSL	220	Reedley	Fresno	8/3/05
WNV	Cx. quinquefasciatus	7/29/05	CNSL	222	Riverdale	Fresno	8/3/05
WNV	Cx. tarsalis	8/2/05	CNSL	224	Orange Cove	Fresno	8/3/05
WNV	Cx. tarsalis	7/25/05	COAV	2120	Mecca	Riverside	8/3/05
WNV	Cx. quinquefasciatus	7/26/05	COAV	2131	Indian Wells	Riverside	8/3/05
WNV	Cx. quinquefasciatus	7/26/05	COAV	2132	Indian Wells	Riverside	8/3/05
WNV	Cx. quinquefasciatus	7/26/05	COAV	2133	Indian Wells	Riverside	8/3/05
WNV	Cx. quinquefasciatus	7/28/05	COAV	2145	Indio	Riverside	8/3/05
WNV	Cx. tarsalis	8/1/05	FRNO	25	Fresno	Fresno	8/3/05
WNV	Cx. tarsalis	8/2/05	FRWS	49	Dos Palos	Fresno	8/3/05
WNV	Cx. tarsalis	8/2/05	FRWS	50	Dos Palos	Fresno	8/3/05
WNV	Cx. tarsalis	8/2/05	FRWS	53	Firebaugh	Fresno	8/3/05

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WNV	Cx. tarsalis	8/2/05	FRWS	55	Mendota	Fresno	8/3/05
WNV	Cx. quinquefasciatus	7/25/05	GRLA	1114	Lakewood	Los Angeles	8/3/05
WNV	Cx. quinquefasciatus	7/27/05	GRLA	1158	Bell	Los Angeles	8/3/05
WNV	Cx. quinquefasciatus	7/27/05	GRLA	1161	Lakewood	Los Angeles	8/3/05
WNV	Cx. quinquefasciatus	7/27/05	GRLA	1167	Long Beach	Los Angeles	8/3/05
WNV	Cx. tarsalis	7/28/05	GRLA	1176	Long Beach	Los Angeles	8/3/05
WNV	Cx. tarsalis	7/28/05	GRLA	1180	Long Beach	Los Angeles	8/3/05
WNV	Cx. tarsalis	7/28/05	GRLA	1181	Long Beach	Los Angeles	8/3/05
WNV	Cx. tarsalis	7/28/05	GRLA	1184	Long Beach	Los Angeles	8/3/05
WNV	Cx. tarsalis	7/27/05	GRLA	5705	Granada Hills	Los Angeles	8/3/05
WNV	Cx. thriambus	7/27/05	GRLA	5717	Sunland	Los Angeles	8/3/05
WNV	Cx. quinquefasciatus	7/28/05	GRLA	5729	North Hills	Los Angeles	8/3/05
WNV	Cx. stigmatosoma	7/28/05	GRLA	5730	Granada Hills	Los Angeles	8/3/05
WNV	Cx. erythrothorax	8/1/05	IMPR	231	Imperial	Imperial	8/3/05
WNV	Cx. quinquefasciatus	7/29/05	KERN	329	Bakersfield	Kern	8/2/05
WNV	Cx. quinquefasciatus	7/29/05	KERN	331	Bakersfield	Kern	8/2/05
WNV	Cx. quinquefasciatus	7/29/05	KERN	334	Bakersfield	Kern	8/2/05
WNV	Cx. tarsalis	7/27/05	KERN	5651	Bakersfield	Kern	8/2/05
WNV	Cx. tarsalis	7/27/05	KERN	5653	Bakersfield	Kern	8/2/05
WNV	Cx. tarsalis	7/27/05	KERN	5655	Bakersfield	Kern	8/2/05
WNV	Cx. tarsalis	7/27/05	KERN	5655	Oildale	Kern	8/2/05
WNV	Cx. quinquefasciatus	7/29/05	KERN	5661	Oildale	Kern	8/2/05
WNV	Cx. quinquefasciatus	7/29/05	KERN	5662	Oildale	Kern	8/2/05
WNV	Cx. quinquefasciatus	7/29/05	KERN	5663	Bakersfield	Kern	8/2/05
WNV	Cx. quinquefasciatus	7/29/05	KERN	5665	Bakersfield	Kern	8/2/05
WNV	Cx. quinquefasciatus	7/29/05	KERN	5666	Bakersfield	Kern	8/2/05
WNV	Cx. quinquefasciatus	7/29/05	KERN	5667	Bakersfield	Kern	8/2/05
WNV	Cx. quinquefasciatus	7/29/05	KERN	5668	Bakersfield	Kern	8/2/05
WNV	Cx. tarsalis	8/1/05	LAKE	139	Upper Lake	Lake	8/3/05
WNV	Cx. quinquefasciatus	8/1/05	LONG	241	Long Beach	Los Angeles	8/3/05
WNV	Cx. quinquefasciatus	8/1/05	LONG	243	Long Beach	Los Angeles	8/3/05
WNV	Cx. quinquefasciatus	8/1/05	LONG	254	Signal Hill	Los Angeles	8/3/05
WNV	Cx. quinquefasciatus	8/1/05	LONG	258	Long Beach	Los Angeles	8/3/05
WNV	Cx. quinquefasciatus	8/1/05	LONG	259	Long Beach	Los Angeles	8/3/05
WNV	Cx. pipiens	8/2/05	MADR	14	Madera	Madera	8/3/05
WNV	Cx. tarsalis	7/27/05	MERC	199	Hopeton	Merced	7/29/05
WNV	Cx. tarsalis	7/27/05	MERC	199	Los Banos	Merced	7/29/05
WNV	Cx. quinquefasciatus	7/26/05	ORCO	2482	Garden Grove	Orange	8/3/05
WNV	Cx. quinquefasciatus	7/26/05	ORCO	2488	Santa Ana	Orange	8/3/05
WNV	Cx. quinquefasciatus	7/26/05	ORCO	2494	Cypress	Orange	8/3/05
WNV	Cx. quinquefasciatus	7/26/05	ORCO	2501	Seal Beach	Orange	8/3/05
WNV	Cx. quinquefasciatus	7/27/05	ORCO	2507	Cypress	Orange	8/3/05
WNV	Cx. quinquefasciatus	7/27/05	ORCO	2508	Westminster	Orange	8/3/05
WNV	Cx. quinquefasciatus	7/27/05	ORCO	2509	Cypress	Orange	8/3/05
WNV	Cx. quinquefasciatus	7/27/05	ORCO	2510	Brea	Orange	8/3/05

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WNV	Cx. quinquefasciatus	7/27/05	ORCO	2511	Anaheim	Orange	8/3/05
WNV	Cx. quinquefasciatus	7/27/05	ORCO	2512	La Habra	Orange	8/3/05
WNV	Cx. tarsalis	7/26/05	PLCR	70	Dry Creek	Placer	8/1/05
WNV	Cx. tarsalis	7/26/05	PLCR	71	Dry Creek	Placer	8/1/05
WNV	Cx. quinquefasciatus	7/7/05	SANB	248	Yucaipa	San Bernardino	8/3/05
WNV	Cx. quinquefasciatus	7/27/05	SANB	288	Upland	San Bernardino	8/3/05
WNV	Cx. tarsalis	7/29/05	SAYO	499	Woodland	Yolo	8/3/05
WNV	Cx. pipiens	7/29/05	SAYO	515	Carmichael	Sacramento	8/2/05
WNV	Cx. tarsalis	7/29/05	SAYO	516	Carmichael	Sacramento	8/2/05
WNV	Cx. pipiens	7/29/05	SAYO	517	Carmichael	Sacramento	8/2/05
WNV	Cx. tarsalis	7/29/05	SAYO	525	Merritt	Yolo	8/2/05
WNV	Cx. pipiens	7/30/05	SAYO	532	Carmichael	Sacramento	8/2/05
WNV	Cx. pipiens	7/30/05	SAYO	534	North Highlands	Sacramento	8/2/05
WNV	Cx. pipiens	7/30/05	SAYO	543	Antelope	Sacramento	8/2/05
WNV	Cx. pipiens	7/30/05	SAYO	544	Antelope	Sacramento	8/2/05
WNV	Cx. pipiens	7/30/05	SAYO	547	Wilton	Sacramento	8/2/05
WNV	Cx. tarsalis	7/30/05	SAYO	555	Sacramento	Sacramento	8/2/05
WNV	Cx. tarsalis	7/30/05	SAYO	558	Madison	Yolo	8/2/05
WNV	Cx. tarsalis	7/26/05	SAYO	566	Hood	Sacramento	8/1/05
WNV	Cx. pipiens	7/28/05	SAYO	570	Citrus Heights	Sacramento	8/1/05
WNV	Cx. pipiens	7/28/05	SAYO	571	Citrus Heights	Sacramento	8/1/05
WNV	Cx. pipiens	7/28/05	SAYO	572	Citrus Heights	Sacramento	8/1/05
WNV	Cx. pipiens	7/29/05	SAYO	5099	Davis	Yolo	8/3/05
WNV	Cx. tarsalis	7/26/05	SBCO	205	Santa Barbara	Santa Barbara	8/2/05
WNV	Cx. tarsalis	7/26/05	SBCO	206	Santa Barbara	Santa Barbara	8/2/05
WNV	Cx. tarsalis	7/26/05	SBCO	221	Santa Barbara	Santa Barbara	8/2/05
WNV*	Cx. tarsalis	7/18/05	SJCM	785	Stockton	San Joaquin	7/29/05
WNV*	Cx. tarsalis	7/22/05	STCL	1	San Jose	Santa Clara	7/27/05
WNV	Cx. tarsalis	8/1/05	SUYA	192	Sutter	Sutter	8/2/05
WNV	Cx. tarsalis	8/1/05	SUYA	194	Pennington	Sutter	8/2/05
WNV	Cx. tarsalis	8/2/05	SUYA	198	Robbins	Sutter	8/2/05
WNV	Cx. pipiens	7/28/05	TRLK	519	Turlock	Stanislaus	8/4/05
WNV	Cx. pipiens	7/28/05	TRLK	525	Patterson	Stanislaus	8/4/05
WNV	Cx. pipiens	7/28/05	TRLK	533	Turlock	Stanislaus	8/4/05
WNV	Cx. pipiens	7/28/05	TRLK	535	Crows Landing	Stanislaus	8/4/05
WNV*	Cx. quinquefasciatus	6/21/05	WVAL	614	Chino Hills	San Bernardino	8/2/05
WNV*	Cx. tarsalis	6/29/05	WVAL	628	Chino	San Bernardino	8/4/05
WNV*	Cx. tarsalis	6/21/05	WVAL	631	Chino	San Bernardino	8/2/05
WNV*	Cx. tarsalis	6/21/05	WVAL	682	Chino	San Bernardino	8/2/05
WNV*	Cx. quinquefasciatus	7/6/05	WVAL	791	Ontario	San Bernardino	8/2/05
WNV*	Cx. quinquefasciatus	7/6/05	WVAL	817	Chino Hills	San Bernardino	8/2/05
WNV*	Cx. tarsalis	7/6/05	WVAL	818	Chino Hills	San Bernardino	8/2/05
WNV*	Cx. tarsalis	7/12/05	WVAL	895	Chino	San Bernardino	8/2/05
WNV*	Cx. tarsalis	7/12/05	WVAL	903	Chino	San Bernardino	8/2/05
WNV*	Cx. quinquefasciatus	7/20/05	WVAL	968	Ontario	San Bernardino	8/4/05

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WNV*	Cx. quinquefasciatus	7/18/05	WVAL	973	Ontario	San Bernardino	8/2/05
WNV*	Cx. quinquefasciatus	7/19/05	WVAL	980	Chino	San Bernardino	8/2/05
WNV*	Cx. quinquefasciatus	7/19/05	WVAL	983	Chino Hills	San Bernardino	8/2/05
WNV*	Cx. quinquefasciatus	7/19/05	WVAL	988	Chino	San Bernardino	8/2/05
WNV*	Cx. tarsalis	7/19/05	WVAL	993	Chino	San Bernardino	8/2/05
WNV*	Cx. quinquefasciatus	7/20/05	WVAL	1031	Ontario	San Bernardino	8/4/05
WNV*	Cx. quinquefasciatus	7/25/05	WVAL	1101	Ontario	San Bernardino	8/2/05
WNV*	Cx. quinquefasciatus	7/26/05	WVAL	1135	Ontario	San Bernardino	8/2/05

\* RAMP or VecTest Mosquito Pools

Please note that mosquito pool specimens submitted to CVEC for confirmation after being tested by "rapid antigen detection tests" such as RAMP require re-processing that may reduce sensitivity. The resulting sensitivity should be comparable to or greater than the initial "rapid test" result.

### Chicken Seroconversions Reported by DHS:

****	Virus	County	State	Acode	City	Location
	WNV	Kern	CA	KERN0105	Bakersfield	Wible/Houghton
	<b>Band: 4332, 4339</b>					<b>Probable Seroconversion Date: 27-June-05</b>
	WNV	Kern	CA	KERN0106	Bakersfield	Oildale
	<b>Band: 4343</b>					<b>Probable Seroconversion Date: 27-June-05</b>
	WNV	Kern	CA	WEST6206	Belridge	Belridge
	<b>Band: 4558</b>					<b>Probable Seroconversion Date: 12-July-05</b>
	WNV	Kings	CA	KNGS2001	Hanford	KMAD facility
	<b>Band: 5651</b>					<b>Probable Seroconversion Date: 13-July-05</b>
	WNV	Kings	CA	KNGS2004	Corcoran	Corcoran
	<b>Band: 5655</b>					<b>Probable Seroconversion Date: 13-July-05</b>
	WNV	Riverside	CA	COAV0200	Mecca	Mecca
	<b>Band: 8982</b>					<b>Probable Seroconversion Date: 5-July-05</b>
	WNV	Riverside	CA	COAV0201	Thermal	Thermal
	<b>Band: 8998</b>					<b>Probable Seroconversion Date: 5-July-05</b>
	WNV	Riverside	CA	COAV0122	Mecca	Gordon
	<b>Band: 8910</b>					<b>Probable Seroconversion Date: 18-July-05</b>
	WNV	Riverside	CA	RIVR0001	San Jacinto	Country Lakes Mobile Homes
	<b>Band: 5203, 5204</b>					<b>Probable Seroconversion Date: 6-July-05</b>
	WNV	Riverside	CA	RIVR0002	Hemet	San Jacinto WL Reserve
	<b>Band: 5226, 5227</b>					<b>Probable Seroconversion Date: 6-July-05</b>
	WNV	Riverside	CA	RIVR0004	Beaumont	Cherry Valley Fire Station
	<b>Band: 5213</b>					<b>Probable Seroconversion Date: 6-July-05</b>
	WNV	Riverside	CA	RIVR0008	Murrieta	Auld Road
	<b>Band: 5248</b>					<b>Probable Seroconversion Date: 8-July-05</b>
	WNV	San Bernardino	CA	WVAL0002	Chino	Dog Club
	<b>Band: 5706, 5707</b>					<b>Probable Seroconversion Date: 6-July-05</b>
	WNV	San Bernardino	CA	WVAL0003	Chino Hills	Pump Station
	<b>Band: 5708, 5709, 5710</b>					<b>Probable Seroconversion Date: 6-July-05</b>
	WNV	Tulare	CA	DLTA6005	Visalia	Delta VCD
	<b>Band: 4984</b>					<b>Probable Seroconversion Date: 5-July-05</b>

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****	Flav. +	Butte	CA	BUCO0001	Chico	Elmer Street	
							<b>Band: 5409</b>
							<b>Probable Seroconversion Date: 26-July-05</b>
****	Flav. +	Butte	CA	BUCO0002	Biggs	Thebachs	
							<b>Band: 5417, 5422</b>
							<b>Probable Seroconversion Date: 27-July-05</b>
	Flav. +	Butte	CA	BUCO0003	Palermo	Beach Ranch	
							<b>Band: 5430</b>
							<b>Probable Seroconversion Date: 27-July-05</b>
	Flav. +	Butte	CA	BUCO0004	Gridley	Gray Lodge	
							<b>Band: 5436, 5438, 5439, 5443</b>
							<b>Probable Seroconversion Date: 27-July-05</b>
	Flav. +	Butte	CA	BUCO0005	Honcut	Honcut	
							<b>Band: 5454</b>
							<b>Probable Seroconversion Date: 27-July-05</b>
****	Flav. +	Butte	CA	BUCO0007	Chico	M&T Ranch	
							<b>Band: 5469, 5477</b>
							<b>Probable Seroconversion Date: 26-July-05</b>
****	Flav. +	Contra Costa	CA	CNTR2302	Martinez	Rhone Poulenc	
							<b>Band: 4520</b>
							<b>Probable Seroconversion Date: 25-July-05</b>
****	Flav. +	Fresno	CA	CNSL5006	Sanger	R. Vargas	
							<b>Band: 0049</b>
							<b>Probable Seroconversion Date: 25-July-05</b>
****	Flav. +	Fresno	CA	CNSL5007	Laton	P. Balver	
							<b>Band: 0058</b>
							<b>Probable Seroconversion Date: 26-July-05</b>
****	Flav. +	Fresno	CA	FRWS0001	Mendota	Mendota Wildlife Refuge	
							<b>Band: 8754, 8757, 8758</b>
							<b>Probable Seroconversion Date: 26-July-05</b>
****	Flav. +	Glenn	CA	GLEN9701	Willows	N.E. Willows	
							<b>Band: 5809</b>
							<b>Probable Seroconversion Date: 26-July-05</b>
****	Flav. +	Kern	CA	DLNO0021	Barlimart	Teviston	
							<b>Band: 5499</b>
							<b>Probable Seroconversion Date: 28-July-05</b>
****	Flav. +	Kern	CA	DLNO0060	Delano	Delano	
							<b>Band: 5481, 5485, 5486, 5490</b>
							<b>Probable Seroconversion Date: 28-July-05</b>
	Flav. +	Kern	CA	KERN0101	Lost Hills	Kern NWR	
							<b>Band: 4301, 4302, 4306, 4307</b>
							<b>Probable Seroconversion Date: 26-July-05</b>
****	Flav. +	Kern	CA	KERN0102	Buttonwillow	Tracy Ranch	
							<b>Band: 4315, 4316, 4317, 4320</b>
							<b>Probable Seroconversion Date: 25-July-05</b>
****	Flav. +	Kern	CA	KERN0104	Bakersfield	Old River	
							<b>Band: 4325</b>
							<b>Probable Seroconversion Date: 25-July-05</b>
	Flav. +	Kern	CA	KERN0105	Bakersfield	Wible/Houghton	
							<b>Band: 4333, 4334, 4335, 4336, 4338</b>
							<b>Probable Seroconversion Date: 25-July-05</b>
	Flav. +	Kern	CA	KERN0107	Arvin	John Dale	
							<b>Band: 4351, 4357</b>
							<b>Probable Seroconversion Date: 26-July-05</b>
	Flav. +	Kern	CA	KERN0111	Arvin	Blackburn residence	
							<b>Band: 4374, 4377, 4378</b>
							<b>Probable Seroconversion Date: 26-July-05</b>
	Flav. +	Kern	CA	KERN0112	Wasco	Wells residence	
							<b>Band: 4386, 4389</b>
							<b>Probable Seroconversion Date: 26-July-05</b>
	Flav. +	Kern	CA	KERN0113	Bakersfield	Kern River	
							<b>Band: 4361, 4365, 4366, 4368, 4370</b>
							<b>Probable Seroconversion Date: 26-July-05</b>
	Flav. +	Kern	CA	WEST6202	Belridge	Belridge	
							<b>Band: 4564</b>
							<b>Probable Seroconversion Date: 26-July-05</b>

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****	Flav. +	Kern	CA	WEST6203	B.V. Lake	B.V. Lake	<b>Band: 4571, 4572</b>	<b>Probable Seroconversion Date: 26-July-05</b>
	Flav. +	Kings	CA	KNGS2001	Hanford	KMAD Facility	<b>Band: 5601</b>	<b>Probable Seroconversion Date: 26-July-05</b>
****	Flav. +	Kings	CA	KNGS2002	Riverdale	River	<b>Band: 5615, 5616, 5617</b>	<b>Probable Seroconversion Date: 26-July-05</b>
****	Flav. +	Kings	CA	KNGS2003	Stratford	Stratford	<b>Band: 5663, 5666</b>	<b>Probable Seroconversion Date: 26-July-05</b>
	Flav. +	Kings	CA	KNGS2004	Corcoran	Corcoran	<b>Band: 5652, 5654, 5660</b>	<b>Probable Seroconversion Date: 26-July-05</b>
****	Flav. +	Madera	CA	MADR5234	Madera	Daylon residence	<b>Band: 4589, 4593</b>	<b>Probable Seroconversion Date: 27-July-05</b>
****	Flav. +	Merced	CA	MERC0001	Merced	Veldhuis Dairy	<b>Band: 4730</b>	<b>Probable Seroconversion Date: 27-July-05</b>
****	Flav. +	Merced	CA	MERC0002	Dos Palos	Koda	<b>Band: 5986</b>	<b>Probable Seroconversion Date: 27-July-05</b>
	Flav. +	Merced	CA	MERC0006	Merced	Deweese	<b>Band: 4734, 4735, 4736</b>	<b>Probable Seroconversion Date: 27-July-05</b>
****	Flav. +	Merced	CA	MERC0502	Hillmar	Turlock C.C.	<b>Band: 5995, 5996, 5997, 5998, 6000</b>	<b>Probable Seroconversion Date: 27-July-05</b>
****	Flav. +	Moab	CA	MOAB0003	Moab, UT	Sloughs	<b>Band: 0941</b>	<b>Probable Seroconversion Date: 27-July-05</b>
****	Flav. +	Napa	CA	NAPA2802	Napa	Cabral's Dairy	<b>Band: 6109</b>	<b>Probable Seroconversion Date: 25-July-05</b>
****	Flav. +	Stanislaus	CA	EAST1933	Oakdale	Valley Home	<b>Band: 0883</b>	<b>Probable Seroconversion Date: 26-July-05</b>
****	Flav. +	Stanislaus	CA	EAST1957	Modesto	Mapes	<b>Band: 0888</b>	<b>Probable Seroconversion Date: 26-July-05</b>
****	Flav. +	Stanislaus	CA	TRLK0403	Newman/Hillsferry	Thomas	<b>Band: 0615</b>	<b>Probable Seroconversion Date: 25-July-05</b>
	Flav. +	Sutter	CA	SUYA0014	Sutter	Dean	<b>Band: 0467, 0469, 0471, 0472, 0475</b>	<b>Probable Seroconversion Date: 28-July-05</b>
****	Flav. +	Sutter	CA	SUYA0015	Robbins	Robbins	<b>Band: 0476, 0478</b>	<b>Probable Seroconversion Date: 28-July-05</b>
****	Flav. +	Sutter	CA	SUYA0020	Meridian	Meridian	<b>Band: 0459, 0465</b>	<b>Probable Seroconversion Date: 28-July-05</b>
****	Flav. +	Sutter	CA	SUYA0030	Live Oak	Sheppard	<b>Band: 0447</b>	<b>Probable Seroconversion Date: 28-July-05</b>
	Flav. +	Sutter	CA	SUYA0031	Rio Oso	Barker	<b>Band: 0486, 0487, 0489, 0490</b>	<b>Probable Seroconversion Date: 28-July-05</b>
	Flav. +	Placer	CA	PLCR0025	Scilacci	Scilacci	<b>Band: 0832, 0833, 8035</b>	<b>Probable Seroconversion Date: 25-July-05</b>
	Flav. +	Placer	CA	PLCR0027	Loomis	Loomis	<b>Band: 0839, 0841</b>	<b>Probable Seroconversion Date: 25-July-05</b>



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Flav. +	Placer	CA	PLCR0026	Sheridan	Sheridan
<b>Band: 0846</b>					<b>Probable Seroconversion Date: 25-July-05</b>
Flav. +	Placer	CA	PLCR0128	Roseville	Roseville
<b>Band: 0856</b>					<b>Probable Seroconversion Date: 25-July-05</b>

## WNV Positive Dead Birds (July 30 - August 5)

Species	County	City	Zip Code	Date Collected	Date Tested	Tested By
Acorn Woodpecker	Nevada	Penn Valley	95946	7/21/05	8/1/05	RT-PCR
American Crow	Butte	Chico	95973	7/22/05	8/1/05	RT-PCR
American Crow	Butte	Chico	95926	7/22/05	8/1/05	RT-PCR
American Crow	Butte	Chico	95926	7/26/05	8/1/05	RT-PCR
American Crow	Contra Costa	Brentwood	94513	7/25/05	8/1/05	RT-PCR
American Crow	Fresno	Fresno	93711	7/27/05	7/27/05	VecTest
American Crow	Glenn	Willows	95988	7/20/05	8/1/05	RT-PCR
American Crow	Glenn	Willows	95988	7/20/05	8/1/05	RT-PCR
American Crow	Glenn	Willows	95988	7/22/05	8/1/05	RT-PCR
American Crow	Glenn	Willows	95988	7/25/05	8/1/05	RT-PCR
American Crow	Glenn	Willows	95988	7/26/05	8/1/05	RT-PCR
American Crow	Kern	Bakersfield	93309	7/20/05	8/1/05	RT-PCR
American Crow	Kings	Lemoore	93246	7/22/05	8/1/05	RT-PCR
American Crow	Lake	Lucerne	95458	7/25/05	7/25/05	VecTest
American Crow	Los Angeles	Claremont	91711	7/26/05	7/26/05	RAMP
American Crow	Los Angeles	San Dimas	91773	7/27/05	7/27/05	VecTest
American Crow	Los Angeles	San Dimas	91773	7/27/05	7/27/05	VecTest
American Crow	Los Angeles	West Hills	91307	7/21/05	7/21/05	VecTest
American Crow	Madera	Madera	93637	7/20/05	8/1/05	RT-PCR
American Crow	Merced	Merced	95340	7/20/05	8/1/05	RT-PCR
American Crow	Orange	Los Alamitos	90720	7/21/05	7/21/05	IHC
American Crow	Orange	Irvine	92620	7/26/05	7/26/05	IHC
American Crow	Orange	Irvine	9262	7/26/05	7/26/05	IHC
American Crow	Orange	Tustin	92782	7/27/05	7/27/05	IHC
American Crow	Riverside	Beaumont	92223	7/20/05	8/1/05	RT-PCR
American Crow	Riverside	Hemet	92545	7/14/05	8/1/05	RT-PCR
American Crow	Riverside	Hemet	92544	7/21/05	8/1/05	RT-PCR
American Crow	Riverside	Hemet	92545	7/24/05	8/1/05	RT-PCR
American Crow	Riverside	Moreno Valley	92555	7/21/05	8/1/05	RT-PCR
American Crow	Riverside	Murrieta	92562	7/19/05	8/1/05	RT-PCR
American Crow	Riverside	Murrieta	92563	7/20/05	8/1/05	RT-PCR
American Crow	Riverside	San Jacinto	92583	7/20/05	8/1/05	RT-PCR
American Crow	Riverside	Sun City	92586	7/6/2005	8/1/05	RT-PCR
American Crow	Riverside	Temecula	92592	7/20/05	8/1/05	RT-PCR
American Crow	Sacramento	Elk Grove	95624	7/19/05	8/1/05	RT-PCR

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American Crow	Sacramento	Sacramento	95822	7/20/05	8/1/05	RT-PCR
American Crow	San Bernardino	Upland	91748	6/30/05	8/1/05	RT-PCR
American Crow	San Bernardino	Redlands	92373	7/25/05	7/25/05	VecTest
American Crow	San Bernardino	Yucaipa	92399	7/21/05	7/21/05	VecTest
American Crow	San Bernardino	Yucaipa	92399	7/21/05	7/21/05	VecTest
American Crow	San Bernardino	Yucaipa	92399	7/21/05	7/21/05	VecTest
American Crow	San Bernardino	Yucaipa	92399	7/25/05	7/25/05	VecTest
American Crow	Santa Barbara	Santa Barbara	93111	7/25/05	8/1/05	RT-PCR
American Crow	Santa Clara	San Jose	95123	7/25/05	7/25/05	VecTest
American Crow	Solano	Elmira	95625	7/22/05	7/29/05	RT-PCR
American Crow	Solano	Suisun City	94585	7/24/05	7/29/05	RT-PCR
American Crow	Solano	Vacaville	95688	7/28/05	7/28/05	RAMP
American Crow	Sonoma	Santa Rosa	95403	7/27/05	7/27/05	RAMP
American Crow	Sonoma	Santa Rosa	95405	7/27/05	7/27/05	RAMP
American Crow	Stanislaus	Modesto	95351	7/20/05	8/1/05	RT-PCR
American Crow	Stanislaus	Modesto	95356	7/25/05	8/1/05	RT-PCR
American Crow	Stanislaus	Turlock	95380	7/29/05	7/29/05	VecTest
American Crow	Tehama	Red Bluff	96080	7/26/05	8/1/05	RT-PCR
American Crow	Tulare	Tulare	93274	7/22/05	8/1/05	RT-PCR
American Crow	Tulare	Tulare	93274	7/25/05	8/1/05	RT-PCR
American Crow	Tulare	Visalia	93277	7/15/05	8/1/05	RT-PCR
American Crow	Tulare	Visalia	93277	7/19/05	8/1/05	RT-PCR
American Crow	Tulare	Visalia	93291	7/19/05	8/1/05	RT-PCR
American Crow	Tulare	Visalia	93291	7/20/05	8/1/05	RT-PCR
American Crow	Tulare	Visalia	93291	7/21/05	8/1/05	RT-PCR
American Crow	Tulare	Visalia	93277	7/21/05	8/1/05	RT-PCR
American Crow	Tulare	Visalia	93291	7/21/05	8/1/05	RT-PCR
American Crow	Tulare	Visalia	93277	7/22/05	8/1/05	RT-PCR
American Crow	Tulare	Visalia	93292	7/25/05	8/1/05	RT-PCR
American Crow	Tulare	Visalia	93277	7/26/05	8/1/05	RT-PCR
American Crow	Yolo	Davis	95616	7/25/05	8/1/05	RT-PCR
American Crow	Yuba	Wheatland	95692	7/26/05	8/1/05	RT-PCR
American Robin	Butte	Oroville	95965	7/20/05	8/1/05	RT-PCR
American Robin	Fresno	Fresno	93720	7/19/05	8/1/05	RT-PCR
Anna's Hummingbird	Placer	Auburn	95602	7/14/05	8/1/05	RT-PCR
Brewer's Blackbird	Fresno	Sanger	93657	7/25/05	8/1/05	RT-PCR
Brewer's Blackbird	Fresno	Sanger	93657	7/25/05	8/1/05	RT-PCR
Bullock's Oriole	Tuolumne	Sonora	95370	7/19/05	8/1/05	RT-PCR
Common Raven	Kern	Edwards	93524	7/25/05	8/1/05	RT-PCR
Cooper's Hawk	Butte	Chico	95926	7/18/05	8/1/05	RT-PCR
Cooper's Hawk	Los Angeles	Castaic	91384	7/25/05	8/1/05	RT-PCR
Cooper's Hawk	Stanislaus	Modesto	95356	7/25/05	8/1/05	RT-PCR
European Starling	Fresno	Fresno	93720	7/21/05	8/1/05	RT-PCR
European Starling	San Mateo	South San Francisco	94080	7/13/05	8/1/05	RT-PCR
Finch	Tulare	Visalia	93291	7/25/05	8/1/05	RT-PCR

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Great Horned Owl	San Diego	Vista	92084	7/25/05	8/1/05	RT-PCR
House Finch	Butte	Berry Creek	95916	7/20/05	8/1/05	RT-PCR
House Finch	Butte	Oroville	95965	7/21/05	8/1/05	RT-PCR
House Finch	Contra Costa	Discovery Bay	94514	7/20/05	8/1/05	RT-PCR
House Finch	Fresno	Fresno	93727	7/21/05	8/1/05	RT-PCR
House Finch	Orange	Garden Grove	92840	7/26/05	7/26/05	IHC
House Finch	Placer	Granite Bay	95746	7/26/05	8/1/05	RT-PCR
House Finch	Placer	Lincoln	95648	7/22/05	8/1/05	RT-PCR
House Finch	Placer	Penryn	95663	7/26/05	8/1/05	RT-PCR
House Finch	Riverside	Cathedral City	92234	7/25/05	8/1/05	RT-PCR
House Finch	Sacramento	Elk Grove	95624	7/25/05	8/1/05	RT-PCR
House Finch	Tehama	Corning	96021	7/21/05	8/1/05	RT-PCR
House Sparrow	Contra Costa	Concord	94519	7/20/05	8/1/05	RT-PCR
House Sparrow	Kern	Bakersfield	93307	7/18/05	8/1/05	RT-PCR
House Sparrow	Kern	Bakersfield	93306	7/26/05	8/1/05	RT-PCR
House Sparrow	Kings	Hanford	93230	7/21/05	8/1/05	RT-PCR
House Sparrow	San Bernardino	Redlands	92373	7/21/05	8/1/05	RT-PCR
House Sparrow	San Joaquin	Escalon	95320	7/21/05	8/1/05	RT-PCR
House Sparrow	Santa Barbara	Lompoc	93436	7/25/05	8/1/05	RT-PCR
House Sparrow	Sutter	Live Oak	95953	7/27/05	8/1/05	RT-PCR
House Sparrow	Tulare	Tulare	93274	7/22/05	8/1/05	RT-PCR
House Sparrow	Tulare	Visalia	93277	7/22/05	8/1/05	RT-PCR
Mockingbird	Orange	Rossmoor	90720	7/28/05	7/28/05	IHC
Mourning Dove	Orange	Dana Point	92629	7/22/05	7/22/05	IHC
Northern Mockingbird	Sacramento	Elk Grove	95758	7/21/05	8/1/05	RT-PCR
Northern Mockingbird	Tulare	Farmersville	93223	7/25/05	8/1/05	RT-PCR
Parrot	San Bernardino	Redlands	92373	7/28/05	8/1/05	RT-PCR
Red-Shouldered Hawk	Tulare	Earlimart	93219	7/19/05	8/1/05	RT-PCR
Red-Tailed Hawk	Madera	Madera	93638	7/20/05	8/1/05	RT-PCR
Ringed Turtle-Dove	Sonoma	Sebastopol	95472	7/8/05	8/1/05	RT-PCR
Ringed Turtle-Dove	Sonoma	Sebastopol	95472	7/8/05	8/1/05	RT-PCR
Sparrow	Tulare	Ivanhoe	93235	7/19/05	8/1/05	RT-PCR
Steller's Jay	Marin	Novato	94947	7/20/05	8/1/05	RT-PCR
Unknown	Butte	Chico	95973	7/22/05	8/1/05	RT-PCR
Unknown	Butte	Chico	95928	7/22/05	8/1/05	RT-PCR
Unknown	Butte	Chico	95926	7/22/05	8/1/05	RT-PCR
Unknown	Tulare	Dinuba	93618	7/24/05	8/1/05	RT-PCR
Unknown	Yuba	Olivehurst	95961	7/19/05	8/1/05	RT-PCR
Western Bluebird	Tehama	Corning	96021	7/22/05	8/1/05	RT-PCR
Western Scrub-Jay	Amador	lone	95640	7/26/05	8/1/05	RT-PCR
Western Scrub-Jay	Amador	Plymouth	95669	7/19/05	8/1/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95926	7/25/05	8/1/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95927	7/25/05	8/1/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95928	7/25/05	8/1/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95973	7/26/05	8/1/05	RT-PCR

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Western Scrub-Jay	Butte	Paradise	95967	7/24/05	8/1/05	RT-PCR
Western Scrub-Jay	Butte	Paradise	95969	7/26/05	8/1/05	RT-PCR
Western Scrub-Jay	Contra Costa	Brentwood	94513	7/27/05	7/27/05	RAMP
Western Scrub-Jay	Fresno	Fresno	9372	7/19/05	8/1/05	RT-PCR
Western Scrub-Jay	Fresno	Sanger	93657	7/26/05	8/1/05	RT-PCR
Western Scrub-Jay	Fresno	Sanger	93657	7/25/05	7/25/05	RAMP
Western Scrub-Jay	Fresno	Fresno	93705	7/27/05	7/27/05	VecTest
Western Scrub-Jay	Fresno	Kerman	93630	7/21/05	7/21/05	VecTest
Western Scrub-Jay	Glenn	Orland	95963	7/22/05	8/1/05	RT-PCR
Western Scrub-Jay	Glenn	Willows	95988	7/20/05	8/1/05	RT-PCR
Western Scrub-Jay	Kings	Hanford	93230	7/20/05	8/1/05	RT-PCR
Western Scrub-Jay	Kings	Lemoore	93245	7/21/05	8/1/05	RT-PCR
Western Scrub-Jay	Kings	Lemoore	93245	7/21/05	8/1/05	RT-PCR
Western Scrub-Jay	Los Angeles	Santa Clarita	91321	7/26/05	8/1/05	RT-PCR
Western Scrub-Jay	Madera	Madera	93637	7/19/05	8/1/05	RT-PCR
Western Scrub-Jay	Madera	Madera	93638	7/20/05	8/1/05	RT-PCR
Western Scrub-Jay	Merced	Atwater	95301	7/19/05	8/1/05	RT-PCR
Western Scrub-Jay	Merced	Atwater	95302	7/19/05	8/1/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95340	7/15/05	8/1/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95340	7/21/05	8/1/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95348	7/22/05	8/1/05	RT-PCR
Western Scrub-Jay	Merced	Winton	95388	7/19/05	8/1/05	RT-PCR
Western Scrub-Jay	Placer	Roseville	95661	7/12/05	8/1/05	RT-PCR
Western Scrub-Jay	Placer	Auburn	95602	7/27/05	7/29/05	RT-PCR
Western Scrub-Jay	Placer	Roseville	95678	7/20/05	7/30/05	RT-PCR
Western Scrub-Jay	Placer	Roseville	95747	7/21/05	7/31/05	RT-PCR
Western Scrub-Jay	Placer	Roseville	95661	7/21/05	7/21/05	VecTest
Western Scrub-Jay	Placer	Roseville	95747	7/21/05	7/21/05	VecTest
Western Scrub-Jay	Sacramento	Elk Grove	95758	7/20/05	8/1/05	RT-PCR
Western Scrub-Jay	San Bernardino	Yucaipa	92399	7/25/05	8/1/05	RT-PCR
Western Scrub-Jay	Santa Clara	San Jose	95123	7/20/05	7/20/05	VecTest
Western Scrub-Jay	Sonoma	Santa Rosa	95405	7/20/05	8/1/05	RT-PCR
Western Scrub-Jay	Sonoma	Sonoma	95476	7/25/05	7/25/05	RAMP
Western Scrub-Jay	Stanislaus	Modesto	95357	7/19/05	8/1/05	RT-PCR
Western Scrub-Jay	Stanislaus	Modesto	95357	7/21/05	8/1/05	RT-PCR
Western Scrub-Jay	Stanislaus	Modesto	95354	7/22/05	8/1/05	RT-PCR
Western Scrub-Jay	Stanislaus	Salida	95368	7/20/05	8/1/05	RT-PCR
Western Scrub-Jay	Tehama	Corning	96021	7/20/05	8/1/05	RT-PCR
Western Scrub-Jay	Tehama	Los Molinos	96055	7/25/05	8/1/05	RT-PCR
Western Scrub-Jay	Tehama	Red Bluff	96080	7/22/05	8/1/05	RT-PCR
Western Scrub-Jay	Tehama	Red Bluff	96080	7/22/05	8/1/05	RT-PCR
Western Scrub-Jay	Tehama	Red Bluff	96080	7/25/05	8/1/05	RT-PCR
Western Scrub-Jay	Tehama	Fluornoy	96029	7/25/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Exeter	93221	7/19/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Exeter	93221	7/22/05	8/1/05	RT-PCR

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Western Scrub-Jay	Tulare	Exeter	93221	7/22/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Farmersville	93223	7/19/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Tulare	93274	7/19/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93292	7/19/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93291	7/20/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93291	7/21/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93291	7/21/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93292	7/22/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93277	7/25/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93277	7/25/05	8/1/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93291	7/26/05	8/1/05	RT-PCR
Western Scrub-Jay	Yuba	Whaetland	95692	7/21/05	8/1/05	RT-PCR
Yellow-billed Magpie	Butte	Chico	95973	7/25/05	8/1/05	RT-PCR
Yellow-billed Magpie	Glenn	Willows	95988	7/20/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Atwater	95301	7/18/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Atwater	95301	7/19/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Atwater	95301	7/19/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Atwater	95301	7/20/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Atwater	95301	7/21/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Atwater	95301	7/25/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Ballico	95303	7/22/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Delhi	95315	7/19/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Delhi	95315	7/20/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Delhi	95315	7/20/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Delhi	95315	7/26/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	7/25/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	7/25/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	7/26/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95340	7/19/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95340	7/21/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95348	7/24/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95340	7/25/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95348	7/26/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Turlock	95380	7/21/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Winton	95388	7/25/05	8/1/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	7/25/05	8/1/05	RT-PCR
Yellow-billed Magpie	Placer	Roseville	95678	7/22/05	8/1/05	RT-PCR
Yellow-billed Magpie	Placer	Granite Bay	95746	7/21/05	7/21/05	VecTest
Yellow-billed Magpie	Placer	Roseville	95661	7/21/05	7/21/05	VecTest
Yellow-billed Magpie	Placer	Roseville	95661	7/22/05	7/22/05	VecTest
Yellow-billed Magpie	Sacramento	Elk Grove	95624	7/19/05	8/1/05	RT-PCR
Yellow-billed Magpie	Sacramento	Elk Grove	95624	7/21/05	8/1/05	RT-PCR
Yellow-billed Magpie	Sacramento	Sacramento	95825	7/19/05	8/1/05	RT-PCR
Yellow-billed Magpie	Sacramento	Sacramento	95825	7/19/05	8/1/05	RT-PCR
Yellow-billed Magpie	Sacramento	Sacramento	95815	7/20/05	8/1/05	RT-PCR

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Yellow-billed Magpie	Sacramento	Sacramento	95825	7/24/05	8/1/05	RT-PCR
Yellow-billed Magpie	Sacramento	Sacramento	95825	7/25/05	8/1/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95355	7/21/05	8/1/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95354	7/25/05	8/1/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95382	7/21/05	8/1/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	7/26/05	8/1/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95351	7/27/05	7/27/05	RAMP
Yellow-billed Magpie	Stanislaus	Turlock	95382	7/27/05	7/27/05	VecTest
Yellow-billed Magpie	Stanislaus	Turlock	95380	7/28/05	7/28/05	VecTest
Yellow-billed Magpie	Stanislaus	Turlock	95382	7/28/05	7/28/05	VecTest
Yellow-billed Magpie	Yuba	Marysville	95901	7/20/05	8/1/05	RT-PCR
Yellow-billed Magpie	Yuba	Marysville	95901	7/21/05	8/1/05	RT-PCR
Yellow-billed Magpie	Yuba	Wheatland	95692	7/20/05	8/1/05	RT-PCR

### National Comments:

As of August 2, 2005, West Nile virus (WNV) activity has been detected in 38 states and New York City. At this time in 2004, a total of 38 states, Puerto Rico, and New York City had published WNV activity. A total of 109 human WNV cases have been reported in 2005 from 18 states and New York City. At this time in 2004, 406 cases had been reported from 20 states and New York City. In 2005, of the 96 cases with available data, the median age is 47 years (range: 4-84 years) and 52 (54%) of the cases are male. Twenty-nine (30%) of the cases are neuroinvasive. There have been three reported WNV-related fatalities. The median age of the two decedents where data is available was 77 years

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## 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].*