

California Arbovirus Surveillance Bulletin # 27

Week 33 Friday, August 19, 2005

Weekly Summary

Comments:

Humans:

As of August 19, 2005, 265 human West Nile virus (WNV) infections have been identified from the following local health jurisdictions: Butte (7), Contra Costa (1), Fresno (23), Glenn (2), Kern (28), Kings (20), Los Angeles (7), Madera (1), Merced (2), Orange (4), Placer (5), Riverside (32), Sacramento (58), San Bernardino (8), San Francisco (1), San Joaquin (4), Santa Clara (1), Solano (1), Stanislaus (30), Sutter (3), Tulare (22), Ventura (1), and Yolo (4). Forty-six of the 265 infections were initially detected in asymptomatic individuals through screening done at blood banks - seventeen individuals later developed symptoms. In addition to the individuals detected at blood banks, two individuals who had no symptoms for WNV were detected through the local health department. Of the 234 WNV cases with symptoms, 80 are classified as West Nile neuroinvasive disease cases, 135 are classified as West Nile fever, and 19 are of unknown clinical presentation. The median age for all symptomatic cases where data is available is 50 years (range: 2-93 years). 135 (58%) of the cases are male. There have been 6 WNV-related fatalities to date in California this year, from Butte (1), Fresno (1), Kings (1), Riverside (2), and San Joaquin (1) counties.

Horses:

The California Department of Food & Agriculture reported 61 new confirmed cases of equine WNV in Alameda (1), Butte (1), Contra Costa (2), Fresno (5), Glenn (1), Kern (2), Kings (1), Madera (3), Merced (8), Nevada (1), Placer (3), Riverside (4), Sacramento (6), San Bernardino (1), San Joaquin (3), San Luis Obispo (2), Santa Barbara (1), Solano (2), Stanislaus (8), Tehama (1), Tulare (1), Yolo (2), and Yuba (2) counties. These were the first WNV positive horses in Alameda, Glenn, San Bernardino, San Luis Obispo and Tehama counties. The YTD total for the State is 209.

Dead Birds:

This week the hotline received 8,927 dead bird reports, for a YTD total of 77,362 reports. 209 out of 362 (57.7%) dead birds collected from 44 counties tested positive for WNV this week.

- 154 out of 302 (51.0%) dead birds tested positive via RT-PCR.
- 47 out of 47 (100%) corvids tested positive via VecTest.
- 7 out of 7 (100%) corvids tested positive via RAMP.
- 0 out of 0 (0.0%) dead birds tested positive via immunohistochemistry.

The WNV positive dead birds were collected from the following counties: Alameda (3); Amador (2); Butte (12); Colusa (1); Contra Costa (6); El Dorado (1); Fresno (12); Glenn (5); Inyo (2); Kern (3); Kings (1); Lake (3); Los Angeles (8); Madera (7); Marin (1); Mendocino (3); Merced (18); Napa (4); Nevada (1); Placer (5); Riverside (4); Sacramento (10); San Bernardino (6); San Diego (7); Santa Barbara (7); Santa Clara (11); Shasta (3); Siskiyou (1); Solano (5); Sonoma (3); Stanislaus (30); Tehama (9); Tulare (8); Ventura (6); and Yolo (1). **This is the first indication of WNV activity in Mendocino County in 2005.**

The following bird species tested positive for WNV: American crow (75); California towhee (1); Cooper's hawk (1); house finch (5); house sparrow (2); lesser goldfinch (1); lorikeet (1); mourning dove (1); pacific-slope flycatcher (1); red-shouldered hawk (2); sharp-shinned hawk (1); snowy egret (1); sparrow (1); steller's jay (1); turkey (1); unknown (4); western bluebird (1); western scrub-jay (60); and yellow-billed magpie (47). See "WNV Positive Dead Birds" table for details.

Since January 1, 2005, 1,502 of 5,885 (25.5%) dead birds have tested positive for WNV.

Mosquito Pools:

WNV: CVEC reported 96 WNV positive mosquito pools from the following counties: Butte (2), Fresno (5), Kern (12), Kings (1), Lake (6), Los Angeles (38), Merced (4), Orange (4), Placer (6), Riverside (2), Sacramento (9), Sutter (1), and Yolo (6). A pool of *Anopheles freeborni* from Lake County tested positive for WNV. This is the first reporting of viral isolation from *Anopheles* species in 2005. This was the first mosquito activity detected in Butte and Kings counties in 2005. The YTD total for the State is 808

Shasta MVCD submitted a VecTest positive sample for confirmation. That result was WNV negative by RT-PCR.

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WEE: CVEC also reported one positive WEE pool in Kern county. The YTD for the State is 30.

Sentinel Chickens: WNV: VRDL reported 53 seroconversions among 11 flocks from Butte (4), Colusa (1), Kern (26), Kings (3), Los Angeles (2), Merced (1), Sacramento (10), San Bernardino (5), and San Joaquin (1) counties. The current YTD total stands at 222 seroconversions. Additionally, 128 flavivirus positive seroconversions that are being sent to VRDL for confirmation

WEE: VRDL reported 15 WEE seroconversions in three flocks from San Bernardino (9), Riverside (5) and Kern (1) counties. The current YTD stands at 84 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	87	0	91	0	0	0	0	0	0
	YTD	1091	0	265	0	0	0	0	0	0
Horses Tested	Week	61	0	61	0	0	0	0	0	0
	YTD	678	0	209	0	0	0	0	0	0

Dead Birds

	Number Tested	WNV Positive
Week	362	209
YTD	5,885	1,502

Sentinel Chickens and Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive	Other Positive
Chicken sera	Week	1235*	53	15	0	0
	YTD	21635	222	84	0	0
Mosquito pools	Week	738	96	1	0	0
	YTD	13412	808	30	0	0

*Total has been adjusted to include local agency submission

Human Positives Reported (August 15 – August 19):

Virus	Onset Date	Status	Diagnosis	County
WNV	07/17/05	Probable	West Nile Fever	Madera
WNV	07/28/05	Probable	West Nile Fever	Fresno
WNV	08/03/05	Probable	West Nile Neuroinvasive Disease	Sacramento
WNV	08/03/05	Probable	West Nile Neuroinvasive Disease	Los Angeles
WNV	08/01/05	Probable	West Nile Fever	Sacramento
WNV	07/23/05	Probable	West Nile Fever	Butte
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Butte

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WNV	Unk	Probable	West Nile Fever	Stanislaus
WNV	Unk	Probable	Unk	Stanislaus
WNV	08/05/05	Probable	West Nile Neuroinvasive Disease	Stanislaus
WNV	07/24/05	Probable	West Nile Fever	Stanislaus
WNV	07/15/05	Probable	West Nile Fever	Stanislaus
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Merced
WNV	Week 31	Probable	West Nile Neuroinvasive Disease	Yolo
WNV	07/19/05	Probable	West Nile Neuroinvasive Disease	Tulare
WNV	07/27/05	Probable	West Nile Neuroinvasive Disease	Tulare
WNV	07/07/05	Probable	West Nile Fever	Tulare
WNV	07/25/05	Probable	West Nile Fever	Tulare
WNV	07/27/05	Probable	West Nile Neuroinvasive Disease	Tulare
WNV	07/15/05	Probable	West Nile Fever	Sacramento
WNV	07/29/05	Probable	West Nile Fever	Sacramento
WNV	07/19/05	Probable	West Nile Neuroinvasive Disease	Sacramento
WNV	07/31/05	Probable	West Nile Neuroinvasive Disease	Sacramento
WNV	08/03/05	Probable	West Nile Fever	Sacramento
WNV	08/01/05	Probable	West Nile Fever	Sacramento
WNV	06/15/05	Probable	West Nile Fever	Sacramento
WNV	07/28/05	Probable	West Nile Neuroinvasive Disease	Sacramento
WNV	07/30/05	Probable	West Nile Fever	Sacramento
WNV	07/31/05	Probable	West Nile Fever	Stanislaus
WNV	07/11/05	Probable	West Nile Fever	Stanislaus
WNV	Week 31	Probable	West Nile Fever *	Sutter
WNV	07/25/05	Probable	West Nile Neuroinvasive Disease	Los Angeles
WNV	Unk	Probable	West Nile Neuroinvasive Disease	San Francisco
WNV	07/14/05	Probable	West Nile Fever	Kings
WNV	07/17/05	Probable	West Nile Fever	Santa Clara
WNV	07/31/05	Probable	West Nile Fever	Sacramento
WNV	08/01/05	Probable	West Nile Fever	Sacramento
WNV	08/05/05	Probable	West Nile Neuroinvasive Disease	Sacramento
WNV	07/27/05	Probable	West Nile Fever	Sacramento
WNV	08/05/05	Probable	West Nile Fever	Sacramento
WNV	08/05/05	Probable	West Nile Neuroinvasive Disease	Sacramento
WNV	08/11/05	Probable	West Nile Fever	Sacramento
WNV	08/01/05	Probable	West Nile Fever	Sacramento
WNV	08/12/05	Probable	West Nile Neuroinvasive Disease	Sacramento
WNV	07/25/05	Probable	West Nile Fever	Sacramento
WNV	07/20/05	Probable	West Nile Fever	Sacramento
WNV	07/10/05	Probable	West Nile Fever *	Kern
WNV	07/19/05	Probable	West Nile Fever	Kern
WNV	Unk	Probable	West Nile Fever	Kern
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Kern
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Kern
WNV	07/07/05	Probable	West Nile Fever	Kern

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WNV	Unk	Probable	Unk	Kern
WNV	07/24/05	Probable	West Nile Neuroinvasive Disease	Kern
WNV	08/01/05	Probable	West Nile Neuroinvasive Disease	Kern
WNV	07/09/05	Probable	West Nile Fever	Kern
WNV	07/08/05	Probable	West Nile Fever	Kern
WNV	Unk	Probable	West Nile Fever	Kern
WNV	07/21/05	Probable	West Nile Neuroinvasive Disease	Kern
WNV	Unk	Probable	Unk	Kern
WNV	07/20/05	Probable	West Nile Fever *	San Joaquin
WNV	Week 30	Probable	West Nile Fever	Yolo
WNV	8/1/2005	Probable	West Nile Fever	Kings
WNV	8/1/2005	Probable	West Nile Neuroinvasive Disease	Riverside
WNV	7/5/2005	Probable	West Nile Fever	Riverside
WNV	Unk	Probable	West Nile Neuroinvasive Disease	Riverside
WNV	06/03/05	Probable	West Nile Neuroinvasive Disease	Riverside
WNV	08/01/05	Probable	West Nile Neuroinvasive Disease	Riverside
WNV	07/05/05	Probable	West Nile Fever	Riverside
WNV	08/05/05	Probable	West Nile Neuroinvasive Disease	Riverside
WNV	07/09/05	Probable	West Nile Fever	Riverside
WNV	07/31/05	Probable	West Nile Neuroinvasive Disease	Los Angeles
WNV	08/10/05	Probable	West Nile Fever *	Los Angeles
WNV	n/a	Probable	West Nile Fever	Glenn
WNV	n/a	Probable	West Nile Neuroinvasive Disease	Glenn
WNV	08/07/05	Probable	West Nile Fever	Stanislaus
WNV	Unk	Probable	West Nile Fever	Stanislaus
WNV	07/28/05	Probable	West Nile Fever	Stanislaus
WNV	07/31/05	Probable	West Nile Fever	Stanislaus
WNV	07/29/05	Probable	West Nile Fever	Stanislaus
WNV	08/05/05	Probable	West Nile Fever *	Stanislaus
WNV	Week 32	Probable	West Nile Fever	Yolo
WNV	07/25/05	Probable	Unk	Fresno
WNV	07/26/05	Probable	West Nile Neuroinvasive Disease	Fresno
WNV	Unk	Probable	West Nile Fever	Fresno
WNV	07/25/05	Probable	West Nile Fever	Placer
WNV	07/29/05	Probable	West Nile Fever	Placer
WNV	7/3/2005	Probable	West Nile Neuroinvasive Disease	Placer
WNV	n/a	Probable	Asymptomatic Blood Donor	Los Angeles
WNV	n/a	Probable	Asymptomatic Blood Donor	Stanislaus
WNV	n/a	Probable	Asymptomatic Blood Donor	Orange
WNV	n/a	Probable	Asymptomatic Blood Donor	Placer

Bolded entries refer to fatalities.

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

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Virus Isolations From Mosquito Pools:

Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WN	Cx tarsalis	8/16/05	BUCO	6	Chico	Butte	8/17/05
WN	Cx tarsalis	8/16/05	BUCO	8	Chico	Butte	8/17/05
WN	Cx quinquefasciatus	8/10/05	CNSL	237	Sanger	Fresno	8/17/05
WN	Cx tarsalis	8/10/05	CNSL	238	Reedley	Fresno	8/17/05
WN	Cx quinquefasciatus	8/10/05	CNSL	239	Reedley	Fresno	8/17/05
WN	Cx quinquefasciatus	8/16/05	CNSL	244	Orange Cove	Fresno	8/17/05
WN	Cx tarsalis	8/10/05	COAV	2222	Mecca	Riverside	8/17/05
WN	Cx tarsalis	8/10/05	COAV	2224	Mecca	Riverside	8/17/05
WN	Cx tarsalis	8/15/05	FRNO	26	Herndon/Milburn inte	Fresno	8/17/05
WN	Cx tarsalis	8/5/05	GRLA	1228	Long Beach	Los Angeles	8/11/05
WN	Cx tarsalis	8/5/05	GRLA	1229	Long Beach	Los Angeles	8/11/05
WN	Cx quinquefasciatus	8/9/05	GRLA	1235	Wilmington	Los Angeles	8/11/05
WN	Cx quinquefasciatus	8/9/05	GRLA	1236	Wilmington	Los Angeles	8/11/05
WN	Cx quinquefasciatus	8/11/05	GRLA	1248	Rowland Heights	Los Angeles	8/11/05
WN	Cx quinquefasciatus	8/11/05	GRLA	1258	Hawaiian Gardens	Los Angeles	8/11/05
WN	Cx quinquefasciatus	8/11/05	GRLA	1263	Lakewood	Los Angeles	8/11/05
WN	Cx quinquefasciatus	8/9/05	GRLA	5766	Canoga Park	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/9/05	GRLA	5767	Chatsworth	Los Angeles	8/12/05
WN	Cx stigmatosoma	8/9/05	GRLA	5770	Canoga Park	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/10/05	GRLA	5771	Encino	Los Angeles	8/12/05
WN	Cx stigmatosoma	8/10/05	GRLA	5777	Valencia	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/10/05	GRLA	5780	Encino	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/10/05	GRLA	5784	Encino	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/10/05	GRLA	5791	Encino	Los Angeles	8/12/05
WN	Cx stigmatosoma	8/10/05	GRLA	5794	Canyon Country	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/10/05	GRLA	5796	Santa Clarita	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/11/05	GRLA	5804	Chatsworth	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/11/05	GRLA	5805	Chatsworth	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/11/05	GRLA	5806	Chatsworth	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/11/05	GRLA	5808	Chatsworth	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/11/05	GRLA	5809	Chatsworth	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/11/05	GRLA	5811	Chatsworth	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/11/05	GRLA	5812	Chatsworth	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/11/05	GRLA	5814	Chatsworth	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/11/05	GRLA	5815	Chatsworth	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/12/05	GRLA	5816	Sunland	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/11/05	GRLA	5818	Granada Hills	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/11/05	GRLA	5819	Granada Hills	Los Angeles	8/12/05
WN	Cx tarsalis	8/11/05	GRLA	5820	Granada Hills	Los Angeles	8/12/05
WN	Cx thriambus	8/11/05	GRLA	5823	Granada Hills	Los Angeles	8/12/05
WN	Cx stigmatosoma	8/11/05	GRLA	5826	Granada Hills	Los Angeles	8/12/05
WN	Cx quinquefasciatus	8/12/05	KERN	365	Bakersfield	Kern	8/17/05

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WN	Cx quinquefasciatus	8/12/05	KERN	366	Bakersfield	Kern	8/17/05
WN	Cx tarsalis	8/9/05	KERN	5683	Bakersfield	Kern	8/17/05
WN	Cx tarsalis	8/9/05	KERN	5684	Bakersfield	Kern	8/17/05
WN	Cx tarsalis	8/9/05	KERN	5687	Bakersfield	Kern	8/17/05
WN	Cx tarsalis	8/9/05	KERN	5688	Bakersfield	Kern	8/17/05
WN	Cx tarsalis	8/9/05	KERN	5693	Bakersfield	Kern	8/17/05
WN	Cx tarsalis	8/9/05	KERN	5695	Bakersfield	Kern	8/17/05
WN	Cx tarsalis	8/9/05	KERN	5697	Bakersfield	Kern	8/17/05
WN	Cx tarsalis	8/9/05	KERN	5702	Oildale	Kern	8/17/05
WN	Cx quinquefasciatus	8/10/05	KERN	5710	Bakersfield	Kern	8/17/05
WN	Cx quinquefasciatus	8/10/05	KERN	5711	Oildale	Kern	8/17/05
WN	Cx quinquefasciatus	8/16/05	KNGS	11	Hanford	Kings	8/17/05
WN	Cx tarsalis	8/10/05	LAKE	187	Nice	Lake	8/17/05
WN	An freeborni	8/10/05	LAKE	191	Upper Lake	Lake	8/17/05
WN	Cx tarsalis	8/10/05	LAKE	193	Upper Lake	Lake	8/17/05
WN	Cx stigmatosoma	8/11/05	LAKE	199	Upper Lake	Lake	8/17/05
WN	Cx tarsalis	8/12/05	LAKE	201	Clearlake	Lake	8/17/05
WN	Cx tarsalis	8/15/05	LAKE	209	Nice	Lake	8/17/05
WN	Cx tarsalis	8/9/05	LONG	262	Long Beach City Hall	Los Angeles	8/11/05
WN	Cx quinquefasciatus	8/9/05	LONG	274	Signal Hill	Los Angeles	8/11/05
WN	Cx quinquefasciatus	8/9/05	LONG	282	Long Beach	Los Angeles	8/11/05
WN	Cx tarsalis	8/16/05	LONG	287	Long Beach City Hall	Los Angeles	8/17/05
WN	Cx quinquefasciatus	8/16/05	LONG	298	Long Beach	Los Angeles	8/17/05
WN	Cx quinquefasciatus	8/16/05	LONG	304	Long Beach	Los Angeles	8/17/05
WN	Cx tarsalis	8/9/05	MERC	223	Merced	Merced	8/12/05
WN	Cx pipiens	8/10/05	MERC	226	Hilmar	Merced	8/12/05
WN	Cx pipiens	8/10/05	MERC	228	Hilmar	Merced	8/12/05
WN	Cx pipiens	8/10/05	MERC	229	Hilmar	Merced	8/12/05
WN	Cx quinquefasciatus	8/9/05	ORCO	2562	Anaheim	Orange	8/16/05
WN	Cx quinquefasciatus	8/9/05	ORCO	2564	Garden Grove	Orange	8/16/05
WN	Cx stigmatosoma	8/11/05	ORCO	2569	Laguna Niguel	Orange	8/16/05
WN	Cx quinquefasciatus	8/11/05	ORCO	2571	Laguna Niguel	Orange	8/16/05
WN	Cx pipiens	8/9/05	PLCR	90	Granite Bay	Placer	8/15/05
WN	Cx pipiens	8/10/05	PLCR	91	Roseville	Placer	8/15/05
WN	Cx tarsalis	8/10/05	PLCR	93	Dry Creek	Placer	8/15/05
WN	Cx pipiens	8/10/05	PLCR	95	Roseville	Placer	8/15/05
WN	Cx tarsalis	8/10/05	PLCR	115	Pleasant Grove	Placer	8/15/05
WN	Cx pipiens	8/11/05	PLCR	121	Lincoln	Placer	8/15/05
WN	Cx pipiens	8/8/05	SAYO	721	Citrus Heights	Sacramento	8/15/05
WN	Cx pipiens	8/8/05	SAYO	723	Citrus Heights	Sacramento	8/15/05
WN	Cx pipiens	8/12/05	SAYO	736	West Sacramento	Yolo	8/15/05
WN	Cx pipiens	8/12/05	SAYO	752	Sacramento	Sacramento	8/15/05
WN	Cx pipiens	8/12/05	SAYO	768	Carmichael	Sacramento	8/15/05
WN	Cx tarsalis	8/12/05	SAYO	776	Plainfield	Yolo	8/15/05
WN	Cx pipiens	8/12/05	SAYO	782	Sacramento	Sacramento	8/15/05

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WN	Cx pipiens	8/12/05	SAYO	791	Sacramento	Sacramento	8/15/05
WN	Cx pipiens	8/13/05	SAYO	816	Sacramento	Sacramento	8/15/05
WN	Cx pipiens	8/13/05	SAYO	820	Davis	Yolo	8/15/05
WN	Cx thriambus	8/13/05	SAYO	824	West Sacramento	Yolo	8/15/05
WN	Cx pipiens	8/13/05	SAYO	837	Sacramento	Sacramento	8/15/05
WN	Cx pipiens	8/13/05	SAYO	841	Woodland	Yolo	8/15/05
WN	Cx tarsalis	8/13/05	SAYO	856	Antelope	Sacramento	8/15/05
WN	Cx pipiens	8/12/05	SAYO	5124	Davis	Yolo	8/17/05
WN	Cx tarsalis	8/11/05	SUYA	239	Sutter National Wild	Sutter	8/16/05
WEE	Cx tarsalis	8/9/05	KERN	5686	Bakersfield	Kern	8/17/05

Chicken Seroconversions Reported by DHS:

	Virus	Site Number	County	State	Nearest City	Location	Date Seroconverted	BAND 01	BAND 02	BAND 03	BAND 04	BAND 05
	WNV	BUCO0004	Butte	CA	Gridley	Gray Lodge	8/10/05	5435	, 5437			
	WNV	BUCO0005	Butte	CA	Honcut	Honcut	8/10/05	5445	, 5450			
	WNV	CLSA0001	Colusa	CA	Colusa	Grussenmeyer	8/9/05	8128				
	WNV	KERN0101	Kern	CA	Lost Hills	Kern NWR	8/8/05	4303	, 4304	, 4308	, 4391	
	WNV	KERN0105	Kern	CA	Bakersfield	Wible/Houghton	8/8/05	3702	, 4331	, 4394		
	WNV	KERN0106	Kern	CA	Bakersfield	Oildale	8/8/05	4346	, 4347			
	WNV	KERN0107	Kern	CA	Arvin	John Dale	8/8/05	4352	, 4354	, 4356	, 4359	, 4360
	WNV	KERN0111	Kern	CA	Arvin	Blackburn residence	8/8/05	4371	, 4373	, 4375		
	WNV	KERN0112	Kern	CA	Wasco	Wells Residence	8/8/05	4381	, 4382	, 4383	, 4387	, 4390
	WNV	KERN0113	Kern	CA	Bakersfield	Kern River	8/8/05	4395	, 4396	, 4397	, 4398	
	WNV	KNGS2001	Kings	CA	Hanford	KMAD Facility	8/10/05	5603				
	WNV	KNGS2004	Kings	CA	Corcoran	Corcoran	8/10/05	5653	, 5657			
	WNV	LACW1024	Los Angeles	CA	Calabasas	Calabasas	7/26/05	3892				
****	WNV	LACW1002	Los Angeles	CA	Torrance	Madrona Marsh	8/1/05	3807				
	WNV	MERC0006	Merced	CA	Merced	Deweese	8/8/05	4732				
****	WNV	SAYO7001	Sacramento	CA	Galt	Galt	8/2/05	6041				
****	WNV	SAYO7002	Sacramento	CA	Hood	Hood	8/2/05	6032	, 6033			
	WNV	SAYO7000	Sacramento	CA	Elk Grove	Elk Grove	8/2/05	6021	, 6023	, 6027		
****	WNV	SANB0002	San Bernardino	CA	Redlands	Treatment Plant	7/19/05	5016				
****	WNV	WVAL0009	San Bernardino	CA	Rancho Cucamonga	Gerry	7/18/05	5719				
	WNV	SANB0002	San Bernardino	CA	Redlands	Treatment Plant	8/2/05	5011	, 5012	, 5017		
****	WNV	SJCM9910	San Joaquin	CA	Walnut Grove	Staten Island	8/8/05	0194				
****	WNV	SAYO6001	Yolo	CA	Knights Landing	Knights Landing	8/2/05	6085				

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****	WNV	SAYO6002	Yolo	CA	Woodland	Merritt	8/2/05	6066	, 6069			
****	WNV	SAYO6003	Yolo	CA	Winters	Winters	8/2/05	6078				
****	WEE	KERN0102	Kern	CA	Buttonwillow	Tracy RNCH	8/10/05	4319				
****	WEE	COAV0035	Riverside	CA	Mecca	Adohr	8/7/05	8861	, 8864	, 8867	, 8869	, 8870
****	WEE	SANB0001	San Bernardino	CA	Needles	Treatment Plant	8/1/05	5001	, 5003	, 5004	, 5005	, 5009
****	WEE	SANB0016	San Bernardino	CA	Neddles	Chemehuevi	8/2/05	5095	, 5097	, 5098	, 5099	
	Flav. +	BUCO0001	Butte	CA	Chico	Elmer Street	8/9/05	5401	, 5408	, 5410		
	Flav. +	BUCO0002	Butte	CA	Biggs	Thebachs	8/10/05	5414	, 5415	, 5418	, 5419	, 5421
	Flav. +	BUCO0003	Butte	CA	Palermo	Beach Ranch	8/10/05	5431	, 5433			
	Flav. +	BUCO0007	Butte	CA	Chico	M&T Ranch	8/9/05	5471	, 5474			
****	Flav. +	CNTR7402	Contra Costa	CA	Oakley	ISD	8/8/05	4489				
****	Flav. +	CNTR8152	Contra Costa	CA	Knightsen	Holland Tract	8/8/05	4477	, 4480	, 4482	, 4483	
****	Flav. +	CNSL5005	Fresno	CA	Fresno	Fresno Roofing	8/8/05	0029	, 0031	, 0032	, 0034	, 0036
	Flav. +	CNSL5006	Fresno	CA	Sanger	R. Vargas	8/8/05	0043	, 0045	, 0046	, 0047	, 0053
	Flav. +	CNSL5007	Fresno	CA	Laton	P. Balver	8/9/05	0057	, 0060	, 0064	, 0065	, 0066
****	Flav. +	CNSL5008	Fresno	CA	Orange Cove	O. Mitchell	8/9/05	0072	, 0075	, 0076		
****	Flav. +	FRNO0012	Fresno	CA	Fresno	Liddel's	8/8/05	7576	, 7582			
	Flav. +	FRWS0001	Fresno	CA	Mendota	Mendota Wildlife Refuge	8/9/05	8751	, 8753	, 8760		
****	Flav. +	FRWS0021	Fresno	CA	Firebaugh	Knight's	8/9/05	8767	, 8768	, 8769	, 8770	
	Flav. +	GLEN9701	Glenn	CA	Willows	N. E. Willows	8/10/05	5802	, 5806	, 5812		
	Flav. +	DLNO0021	Kern	CA	Earlimart	Teviston	8/11/05	5492	, 5493			
	Flav. +	DLNO0060	Kern	CA	Delano	Delano	8/11/05	5484	, 5487	, 5489		
	Flav. +	KERN0102	Kern	CA	Buttonwillow	Tracy RNCH	8/10/05	4311	, 4314	, 4318		
****	Flav. +	WEST6203	Kern	CA	B.V. Lake	B.V. Lake	8/9/05	4568	, 4569	, 4570		
	Flav. +	KNGS2002	Kings	CA	Riverdale	River	8/11/05	5611	, 5612	, 5613	, 5618	, 5620
	Flav. +	KNGS2003	Kings	CA	Stratford	Stratford	8/10/05	5661	, 5662	, 5664	, 5665	, 5670
****	Flav. +	MADR4123	Madera	CA	Chowchilla	Calley Farm	8/10/05	4584				
	Flav. +	MADR5234	Madera	CA	Madera	Dayton Residence	8/10/05	4586	, 4587	, 4588	, 4590	, 4591
	Flav. +	MERC0001	Merced	CA	Merced	Veldhuis Dairy	8/8/05	4728	, 4731			
	Flav. +	MERC0002	Merced	CA	Dos Palos	Koda	8/8/05	5983	, 5985	, 5987		
****	Flav. +	MERC0501	Merced	CA	El Nido	Homen	8/8/05	5989	, 5992	, 5994		
	Flav. +	NAPA2805	Napa	CA	American Canyon	District office	8/10/05	6146				
	Flav. +	SANB0006	San Bernardino	CA	Yucaipa	Yucaipa Regional Park	8/1/05	5046	, 5048			
****	Flav. +	SANB0007	San Bernardino	CA	Fontana	Fontana 11 Senior Center	8/1/05	5055	, 5058			
****	Flav. +	SHAS9704	Shasta	CA	Anderson	Shasta MVCD	8/10/05	0351				
	Flav. +	SOLA0010	Solano	CA	Vacaville	Hanson Ranch	8/12/05	0406	, 0407	, 0408	, 0413	, 0417
	Flav. +	SOLA0125	Solano	CA	Cordelia	F. R. Smith Equipment Co.	8/12/05	0419	, 0421	, 0422	, 0423	, 0429
	Flav. +	EAST1933	Stanislaus	CA	Oakdale	Valley Home	8/10/05	0877	, 0882			
	Flav. +	EAST1957	Stanislaus	CA	Modesto	Mapes	8/10/05	0884	, 0885	, 0887	, 0890	, 0891
****	Flav. +	TRLK0001	Stanislaus	CA	Vernalis	Dunne	8/8/05	0565				

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****	Flav. +	TRLK0402	Stanislaus	CA	Denair	Bettencourt/Mendes	8/8/05	0632	, 0634	, 0636	, 0637	
****	Flav. +	TRLK9703	Stanislaus	CA	Crows Landing	Vitoria's Dairy	8/8/05	0594	, 0596	, 0601	, 0603	
	Flav. +	SUYA0014	Sutter	CA	Sutter	Dean	8/11/05	0466	, 0468			
	Flav. +	SUYA0020	Sutter	CA	Meridian	Meridian	8/11/05	0457	, 0463			
	Flav. +	SUYA0030	Sutter	CA	Live Oak	Sheppard	8/11/05	0455				
	Flav. +	SUYA0031	Sutter	CA	Rio Oso	Barker	8/11/05	0488	, 0491			
****	Flav. +	SUYA0007	Yuba	CA	Marysville	Ledbetter	8/11/05	0507	, 0508	, 0513	, 0515	
****	Flav. +	SUYA0071	Yuba	CA	Olivehurst	Roller	8/11/05	0497	, 0500	, 0503		

WNV Positive Dead Birds Reported (August 15-19)

Species	County	City	Zip Code	Date Collected	Date Tested	Tested By
American Crow	Alameda	Livermore	94551	08/08/05	08/08/05	RAMP
American Crow	Alameda	Pleasanton	94566	08/08/05	08/08/05	RAMP
American Crow	Butte	Chico	95926	08/09/05	08/15/05	RT-PCR
American Crow	Butte	Gridley	95948	08/04/05	08/15/05	RT-PCR
American Crow	Butte	Oroville	95965	08/05/05	08/15/05	RT-PCR
American Crow	Contra Costa	Pleasant Hill	94523	08/10/05	08/10/05	RAMP
American Crow	Fresno	Fresno	93727	08/06/05	08/15/05	RT-PCR
American Crow	Fresno	Kingsburg	93631	08/03/05	08/15/05	RT-PCR
American Crow	Glenn	Willows	95988	08/08/05	08/08/05	VecTest
American Crow	Glenn	Willows	95988	08/10/05	08/10/05	VecTest
American Crow	Glenn	Willows	95988	08/10/05	08/10/05	VecTest
American Crow	Inyo	Bishop	93514	08/05/05	08/15/05	RT-PCR
American Crow	Inyo	Bishop	93514	08/08/05	08/15/05	RT-PCR
American Crow	Kern	Bakersfield	93305	08/02/05	08/15/05	RT-PCR
American Crow	Kern	Bakersfield	93306	08/05/05	08/15/05	RT-PCR
American Crow	Kings	Lemoore	93245-	08/06/05	08/15/05	RT-PCR
American Crow	Lake	Clear Lake	95422	08/11/05	08/11/05	VecTest
American Crow	Lake	Upper Lake	95485	08/11/05	08/11/05	VecTest
American Crow	Los Angeles	Santa Clarita	91350	08/08/05	08/08/05	VecTest
American Crow	Los Angeles	Santa Clarita	91351	08/09/05	08/09/05	VecTest
American Crow	Los Angeles	Santa Clarita	91387	08/10/05	08/10/05	VecTest
American Crow	Los Angeles	Stevenson Ranch	91381	08/10/05	08/10/05	VecTest
American Crow	Los Angeles	Valencia	91355	08/09/05	08/09/05	VecTest
American Crow	Madera	Madera	93637	08/04/05	08/15/05	RT-PCR
American Crow	Marin	Larkspur	94939	08/01/05	08/15/05	RT-PCR
American Crow	Merced	Dos Palos	93620	08/08/05	08/15/05	RT-PCR
American Crow	Merced	Merced	95340	08/08/05	08/15/05	RT-PCR
American Crow	Merced	Winton	95388	08/08/05	08/15/05	RT-PCR
American Crow	Napa	Napa	94559	08/15/05	08/15/05	VecTest
American Crow	Napa	Napa	94558	08/16/05	08/16/05	VecTest
American Crow	Placer	Roseville	95661	08/10/05	08/10/05	VecTest
American Crow	Riverside	Hemet	92544	07/31/05	08/15/05	RT-PCR

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American Crow	Riverside	Lake Elsinore	92530	08/03/05	08/15/05	RT-PCR
American Crow	Riverside	Palm Springs	92264	08/04/05	08/15/05	RT-PCR
American Crow	Riverside	Riverside	92503	08/03/05	08/15/05	RT-PCR
American Crow	Sacramento	Elk Grove	95624	08/03/05	08/15/05	RT-PCR
American Crow	Sacramento	Elk Grove	95758	08/08/05	08/15/05	RT-PCR
American Crow	Sacramento	Sacramento	95814	08/04/05	08/15/05	RT-PCR
American Crow	Sacramento	Sacramento	95814	08/04/05	08/15/05	RT-PCR
American Crow	Sacramento	Sacramento	95818	08/05/05	08/15/05	RT-PCR
American Crow	San Bernardino	Colton	92324	07/15/05	07/15/05	VecTest
American Crow	San Bernardino	Redlands	92373	07/15/05	07/15/05	VecTest
American Crow	San Bernardino	Redlands	92374	07/15/05	07/15/05	VecTest
American Crow	San Bernardino	Upland	91786	07/15/05	07/15/05	VecTest
American Crow	San Bernardino	Upland	91786	07/18/05	07/18/05	VecTest
American Crow	San Bernardino	Yucaipa	92399	07/18/05	07/18/05	VecTest
American Crow	San Diego	El Cajon	92019	08/08/05	08/08/05	VecTest
American Crow	San Diego	Oceanside	92056	08/05/05	08/05/05	VecTest
American Crow	San Diego	Solana Beach	92075	08/05/05	08/05/05	VecTest
American Crow	San Diego	Valley Center	92082-	08/08/05	08/08/05	VecTest
American Crow	San Diego	Valley Center	92082	08/08/05	08/08/05	VecTest
American Crow	Santa Barbara	Goleta	93117	08/05/05	08/15/05	RT-PCR
American Crow	Santa Barbara	Goleta	93117	08/08/05	08/15/05	RT-PCR
American Crow	Santa Barbara	Goleta	93117	08/09/05	08/15/05	RT-PCR
American Crow	Santa Barbara	Santa Barbara	93103	08/02/05	08/15/05	RT-PCR
American Crow	Santa Clara	Cupertino	95014	07/20/05	07/20/05	VecTest
American Crow	Santa Clara	San Jose	95136	08/03/05	08/03/05	VecTest
American Crow	Santa Clara	San Jose	95123	08/03/05	08/03/05	VecTest
American Crow	Santa Clara	San Jose	95111	08/04/05	08/04/05	VecTest
American Crow	Santa Clara	San Jose	95123	08/04/05	08/04/05	VecTest
American Crow	Santa Clara	San Jose	95118	08/05/05	08/05/05	VecTest
American Crow	Santa Clara	San Jose	95123	08/08/05	08/08/05	VecTest
American Crow	Santa Clara	San Jose	95136	08/08/05	08/08/05	VecTest
American Crow	Santa Clara	San Jose	95123	08/09/05	08/09/05	VecTest
American Crow	Shasta	Redding	96001	08/08/05	08/08/05	VecTest
American Crow	Solano	Suisun City	94585	08/05/05	08/12/05	RT-PCR
American Crow	Stanislaus	Oakdale	95361	08/07/05	08/15/05	RT-PCR
American Crow	Stanislaus	Denair	95316	08/09/05	08/09/05	VecTest
American Crow	Stanislaus	Denair	95316	08/11/05	08/11/05	VecTest
American Crow	Tehama	Corning	96021	08/08/05	08/15/05	RT-PCR
American Crow	Tulare	Visalia	93291	08/04/05	08/15/05	RT-PCR
American Crow	Ventura	Moorpark	93021	08/04/05	08/15/05	RT-PCR
American Crow	Ventura	Simi Valley	93063	08/03/05	08/15/05	RT-PCR
American Crow	Ventura	Simi Valley	93063	08/03/05	08/15/05	RT-PCR

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American Crow	Ventura	Simi Valley	93063	08/09/05	08/15/05	RT-PCR
California Towhee	Sonoma	Penngrove	94951	07/29/05	08/15/05	RT-PCR
Cooper's Hawk	Merced	Winton	95388	07/28/05	08/15/05	RT-PCR
House Finch	Contra Costa	Oakley	94561	08/02/05	08/15/05	RT-PCR
House Finch	Fresno	Fresno	93726	08/07/05	08/15/05	RT-PCR
House Finch	Madera	Madera	93637	08/05/05	08/15/05	RT-PCR
House Finch	Placer	Granite Bay	95746	08/02/05	08/15/05	RT-PCR
House Finch	Ventura	Moorpark	93021	08/09/05	08/15/05	RT-PCR
House Sparrow	Solano	Benicia	94510	08/03/05	08/15/05	RT-PCR
House Sparrow	Tulare	Dinuba	93618	08/04/05	08/15/05	RT-PCR
Lesser Goldfinch	Sonoma	Santa Rosa	95405	07/28/05	08/15/05	RT-PCR
Lorikeet	Stanislaus	Modesto	95358	08/09/05	08/15/05	RT-PCR
Mourning Dove	Tehama	Cottonwood	96022	08/01/05	08/15/05	RT-PCR
Pacific-slope Flycatcher	Sonoma	Occidental	95465	07/28/05	08/15/05	RT-PCR
Red-Shouldered Hawk	Los Angeles	Newhall	91381	08/09/05	08/15/05	RT-PCR
Red-Shouldered Hawk	Napa	Calistoga	94515	08/05/05	08/15/05	RT-PCR
Sharp-shinned Hawk	Mendocino	Ukiah	95482	08/01/05	08/15/05	RT-PCR
Snowy Egret	Yolo	Davis	95616	08/03/05	08/15/05	RT-PCR
Sparrow	Sacramento	Sacramento	95818	08/04/05	08/15/05	RT-PCR
Steller's Jay	Lake	Lower Lake	95457	08/05/05	08/05/05	VecTest
Turkey	Stanislaus	Oakdale	95361	08/08/05	08/15/05	RT-PCR
Unknown	Amador	Ione	95640	08/03/05	08/15/05	RT-PCR
Unknown	Fresno	Reedley	93654	08/02/05	08/15/05	RT-PCR
Unknown	Merced	Dos Palos	93620	08/04/05	08/15/05	RT-PCR
Unknown	Tulare	Tulare	93274	08/04/05	08/15/05	RT-PCR
Western Bluebird	Placer	Auburn	95603	08/03/05	08/15/05	RT-PCR
Western Bluebird	Shasta	Palo Cedro	96073	08/07/05	08/15/05	RT-PCR
Western Bluebird	Tehama	Red Bluff	96080	08/09/05	08/15/05	RT-PCR
Western Scrub-Jay	Amador	Fiddletown	95629	08/03/05	08/15/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95973	08/04/05	08/15/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95926	08/07/05	08/15/05	RT-PCR
Western Scrub-Jay	Butte	Chico	95926	08/09/05	08/15/05	RT-PCR
Western Scrub-Jay	Butte	Oroville	95965	08/09/05	08/15/05	RT-PCR
Western Scrub-Jay	Butte	Paradise	95969	08/03/05	08/15/05	RT-PCR
Western Scrub-Jay	Butte	Paradise	95969	08/05/05	08/15/05	RT-PCR
Western Scrub-Jay	Contra Costa	Oakley	94561	08/03/05	08/15/05	RT-PCR
Western Scrub-Jay	Contra Costa	Brentwood	94513	08/11/05	08/11/05	RAMP
Western Scrub-Jay	Contra Costa	Clayton	94517	08/10/05	08/10/05	RAMP
Western Scrub-Jay	Contra Costa	Lafayette	94549	08/08/05	08/08/05	RAMP
Western Scrub-Jay	El Dorado	Placerville	95667	07/27/05	08/08/05	RT-PCR
Western Scrub-Jay	Fresno	Auberry	93602	07/29/05	08/15/05	RT-PCR
Western Scrub-Jay	Fresno	Fowler	93625	08/04/05	08/15/05	RT-PCR
Western Scrub-Jay	Fresno	Fowler	93625	08/05/05	08/15/05	RT-PCR
Western Scrub-Jay	Fresno	Fresno	93727	08/03/05	08/15/05	RT-PCR

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Western Scrub-Jay	Fresno	Fresno	93727	08/03/05	08/15/05	RT-PCR
Western Scrub-Jay	Fresno	Reedley	93654	08/02/05	08/15/05	RT-PCR
Western Scrub-Jay	Fresno	Selma	93662	07/26/05	08/15/05	RT-PCR
Western Scrub-Jay	Fresno	Selma	93662	08/05/05	08/15/05	RT-PCR
Western Scrub-Jay	Kern	Wasco	93280	08/09/05	08/15/05	RT-PCR
Western Scrub-Jay	Los Angeles	Covina	91724	08/04/05	08/15/05	RT-PCR
Western Scrub-Jay	Los Angeles	Val Verde	91384	08/03/05	08/15/05	RT-PCR
Western Scrub-Jay	Madera	Chowchilla	93610	08/08/05	08/15/05	RT-PCR
Western Scrub-Jay	Madera	Madera	93638	08/09/05	08/15/05	RT-PCR
Western Scrub-Jay	Mendocino	Laytonville	95454	08/08/05	08/15/05	RT-PCR
Western Scrub-Jay	Mendocino	Redwood Valley	95470	08/06/05	08/15/05	RT-PCR
Western Scrub-Jay	Merced	Atwater	95301	08/05/05	08/15/05	RT-PCR
Western Scrub-Jay	Merced	Ballico	95303	08/09/05	08/15/05	RT-PCR
Western Scrub-Jay	Merced	Dos Palos	93620	07/27/05	08/15/05	RT-PCR
Western Scrub-Jay	Merced	Livingston	95334	08/04/05	08/15/05	RT-PCR
Western Scrub-Jay	Merced	Merced	95340	08/03/05	08/15/05	RT-PCR
Western Scrub-Jay	Napa	Napa	94558	08/08/05	08/15/05	RT-PCR
Western Scrub-Jay	Nevada	Nevada City	95959	07/29/05	08/15/05	RT-PCR
Western Scrub-Jay	Placer	Roseville	95661	08/03/05	08/15/05	RT-PCR
Western Scrub-Jay	Placer	Granite Bay	95746	08/09/05	08/09/05	VecTest
Western Scrub-Jay	Sacramento	Sacramento	95825	08/04/05	08/15/05	RT-PCR
Western Scrub-Jay	San Diego	Fallbrook	92028	08/10/05	08/15/05	RT-PCR
Western Scrub-Jay	San Diego	Valley Center	92082	08/12/05	08/12/05	VecTest
Western Scrub-Jay	Santa Barbara	Goleta	93117	08/09/05	08/15/05	RT-PCR
Western Scrub-Jay	Santa Barbara	Santa Barbara	93110	08/05/05	08/15/05	RT-PCR
Western Scrub-Jay	Santa Clara	San Jose	95111	08/04/05	08/15/05	RT-PCR
Western Scrub-Jay	Santa Clara	San Jose	95123	08/04/05	08/15/05	RT-PCR
Western Scrub-Jay	Shasta	Cottonwood	96022	08/08/05	08/08/05	VecTest
Western Scrub-Jay	Siskiyou	Yreka	96097	08/08/05	08/15/05	RT-PCR
Western Scrub-Jay	Solano	Suisun City	94585	08/03/05	08/15/05	RT-PCR
Western Scrub-Jay	Solano	Vacaville	95688	08/05/05	08/05/05	RAMP
Western Scrub-Jay	Stanislaus	Denair	95316	08/01/05	08/15/05	RT-PCR
Western Scrub-Jay	Stanislaus	Modesto	95357	08/02/05	08/15/05	RT-PCR
Western Scrub-Jay	Stanislaus	Modesto	95356	08/08/05	08/15/05	RT-PCR
Western Scrub-Jay	Stanislaus	Hughson	95326	08/08/05	08/08/05	VecTest
Western Scrub-Jay	Tehama	Corning	96021	08/03/05	08/15/05	RT-PCR
Western Scrub-Jay	Tehama	Red Bluff	96080	08/04/05	08/15/05	RT-PCR
Western Scrub-Jay	Tehama	Red Bluff	96080	08/09/05	08/15/05	RT-PCR
Western Scrub-Jay	Tulare	Dinuba	93618	08/04/05	08/15/05	RT-PCR
Western Scrub-Jay	Tulare	Tulare	93274	08/04/05	08/15/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93292	08/02/05	08/15/05	RT-PCR
Western Scrub-Jay	Tulare	Visalia	93291	08/09/05	08/15/05	RT-PCR
Western Scrub-Jay	Tulare	Woodlake	93286	08/04/05	08/15/05	RT-PCR
Western Scrub-Jay	Ventura	Fillmore	93015	08/08/05	08/15/05	RT-PCR
Yellow-billed Magpie	Alameda	Livermore	94550	08/05/05	08/15/05	RT-PCR
Yellow-billed Magpie	Butte	Chico	95928	08/05/05	08/15/05	RT-PCR

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Yellow-billed Magpie	Butte	Chico	95928	08/05/05	08/15/05	RT-PCR
Yellow-billed Magpie	Butte	Chico	95926	08/07/05	08/15/05	RT-PCR
Yellow-billed Magpie	Colusa	Williams	95987	08/05/05	08/15/05	RT-PCR
Yellow-billed Magpie	Glenn	Willows	95988	07/29/05	08/15/05	RT-PCR
Yellow-billed Magpie	Glenn	Willows	95988	08/04/05	08/15/05	RT-PCR
Yellow-billed Magpie	Madera	Chowchilla	93610	08/03/05	08/15/05	RT-PCR
Yellow-billed Magpie	Madera	Chowchilla	93610	08/08/05	08/15/05	RT-PCR
Yellow-billed Magpie	Madera	Madera	93637	08/09/05	08/15/05	RT-PCR
Yellow-billed Magpie	Merced	Delhi	95315	08/01/05	08/15/05	RT-PCR
Yellow-billed Magpie	Merced	Delhi	95315	08/03/05	08/15/05	RT-PCR
Yellow-billed Magpie	Merced	Delhi	95315	08/04/05	08/15/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	08/03/05	08/15/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	08/05/05	08/15/05	RT-PCR
Yellow-billed Magpie	Merced	Hilmar	95324	08/08/05	08/15/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95340	08/03/05	08/15/05	RT-PCR
Yellow-billed Magpie	Merced	Merced	95340	08/04/05	08/15/05	RT-PCR
Yellow-billed Magpie	Sacramento	Elk Grove	95757	08/04/05	08/15/05	RT-PCR
Yellow-billed Magpie	Sacramento	Sacramento	95825	08/02/05	08/15/05	RT-PCR
Yellow-billed Magpie	Sacramento	Sacramento	95825	08/07/05	08/15/05	RT-PCR
Yellow-billed Magpie	Santa Barbara	Santa Ynez	93460	08/04/05	08/15/05	RT-PCR
Yellow-billed Magpie	Solano	Vacaville	95688	08/03/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Ceres	95307	08/05/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Hughson	95326	08/04/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95354	08/01/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95357	08/02/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95357	08/02/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Modesto	95357	08/09/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Oakdale	95361	08/08/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/03/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/03/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/04/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/04/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/04/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/05/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/07/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/08/05	08/15/05	RT-PCR
Yellow-billed Magpie	Stanislaus	Hughson	95326	08/11/05	08/11/05	VecTest
Yellow-billed Magpie	Stanislaus	Modesto	95358	08/11/05	08/11/05	VecTest
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/09/05	08/09/05	VecTest
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/11/05	08/11/05	VecTest
Yellow-billed Magpie	Stanislaus	Turlock	95380-	08/11/05	08/11/05	VecTest
Yellow-billed Magpie	Stanislaus	Turlock	95380	08/12/05	08/12/05	VecTest
Yellow-billed Magpie	Tehama	Corning	96021	08/08/05	08/15/05	RT-PCR
Yellow-billed Magpie	Tehama	Red Bluff	96080	08/04/05	08/15/05	RT-PCR
Yellow-billed Magpie	Tehama	Red Bluff	96080	08/08/05	08/15/05	RT-PCR

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Week 33 Friday, August 19, 2005

National Comments:

As of August 16, 2005, West Nile virus (WNV) activity has been detected in 42 states and New York City. At this time in 2004, a total of 43 states, Puerto Rico, and New York City had published WNV activity. A total of 333 human WNV cases have been reported in 2005 from 24 states and New York City. At this time in 2004, 689 cases had been reported from 27 states and New York City. In 2005, of the 299 cases with available data, the median age is 50 years (range: 4-92 years) and 179 (60%) of the cases are male. One hundred twenty-five (42%) of the cases are neuroinvasive. There have been eight reported WNV-related fatalities. The median age of the four decedents where data is available was 75 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.

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].