Week 43 Monday, November 1, 2004

## **Weekly Summary**

## **California Weekly Summary Comments:**

This week, California reported 17 new humans infected with West Nile virus (WNV). As of October 29, 2004, a total of **790** WNV infections have been reported from the following local health jurisdictions: Los Angeles (312), San Bernardino (191), Riverside (110), Orange (65), Kern (56), Fresno (14), Tehama (10), Butte (7), Shasta (6), Glenn (2), Tulare (2), Ventura (2), Imperial (1), Lake (1), Lassen (1), Merced (1), Placer (1), Sacramento (1), San Diego (1), San Joaquin (3), Santa Clara (1), San Luis Obispo (1), and Yolo (1) counties. Seventy-four of the 790 WNV infections were initially detected in asymptomatic individuals through screening done at blood banks – 11 of these individuals later became symptomatic.

Of the 727 WNV cases with symptoms, 266 are classified as West Nile fever cases, 211 are classified as West Nile neuroinvasive disease, and 250 are of unknown status. The median age for all cases where data was available is 52 years (range: 2-94 years). Median age for West Nile fever cases is 49 years (range 7-89 years). Median age for West Nile neuroinvasive disease cases = 58 years (range: 4-91 years). Sixty-two per cent (449/727) of the cases are male. There have been 23 fatalities to date in California in Los Angeles (11), San Bernardino (5), Orange (3), Riverside (2), Kern (1) and Tehama (1) counties. The median age of the 23 fatalities is 76 years (range: 57-91 years).

#### Equine:

The California Department of Food & Agriculture confirmed eight WNV equine cases from Riverside (2), Sacramento (1), San Joaquin (2), Stanislaus (1), Tulare (1), and Yolo (1) counties. Currently, the YTD total stands at 529 positive cases. A total of 226 horses have died or euthanatized from the WNV infections.

#### Dead Birds:

The hotline received 673 reported dead birds last week (YTD = 90,373). The UC Davis Center for Vectorborne Diseases (CVEC) reported 27 out of 75 dead birds submitted last week have tested positive for WNV by RT-PCR: American crows (7), an American robin (1), a Brewer's blackbird (1), a Cooper's hawk (1), a fox sparrow (1), a golden-crowned sparrow (1), a hermit thrush (1), Steller's jays (2), western scrub-jays (6), and yellow-billed magpies (6).

The positive birds were collected within the 17 counties of Alameda (1), Butte (1), Inyo (1), Kern (1), Kings (1), Lake (2), Marin (1), Merced (2), Nevada (1), Placer (2), Sacramento (4), San Joaquin (1), Shasta (1), Sonoma (2), Stanislaus (4), Yolo (1), and Yuba (1).

A total of 75 dead birds were tested, thus 36.0% (27/75) of the birds tested from these counties were WNV positive.

No additional American crows were tested via Vec-Test, therefore the YTD total stands at 3,106 positive bird carcasses.

### News Flash:

CVEC reported last Wednesday that 43 of 66 dead birds have tested positive for WNV. The positive birds were collected within the 25 counties of Alameda (2), Calaveras (1), Contra Costa (2), Del Norte (2), El Dorado (1), Fresno (2), Humboldt (2), Inyo (2), Los Angeles (1), Mariposa (1), Merced (3), Orange (2), Placer (2), Sacramento (2), San Benito (1), San Diego (1), San Francisco (1), San Joaquin (1), Santa Clara (1), Santa Cruz (2), Sonoma (2), Stanislaus (6), Ventura (1), Yolo (1), and Yuba (1).

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## **Mosquito Pools:**

CVEC reported five positive pools from Kern (3) and Los Angeles (2) counties. To date, 20 CA counties have reported positive mosquito activities. WNV has been isolated from nine mosquito species: *Culex tarsalis*, *Cx. erythrothorax*, *Cx. quinquefasciatus*, *Cx. stigmatosoma*, *Cx. thriambus*, *Cx. pipiens*, *Anopheles hermsi*, and *Ochlerotatus squamiger* and *Oc. melanimon*. The YTD total stands at 1124 positive pools.

### **Chickens:**

Seventy WNV chicken seroconversions were detected in 28 flocks from Kern (3), Los Angeles (47), Moab (1), Placer (12), Riverside (2), Shasta (2), and Stanislaus (3) counties. Of the 70 seroconversions, 33 came from 12 new flocks in Los Angeles (20), Placer (9), Riverside (1), Shasta (2), and Stanislaus (1) counties. Currently, 22 counties: Butte, Fresno, Glenn, Imperial, Kern, Kings, Lake, Los Angeles, Orange, Placer, Riverside, Sacramento, San Bernardino, San Joaquin, Santa Clara, Shasta, Stanislaus, Sutter, Tehama, Tulare, Ventura, and Yolo have positive WNV seroconversions. The current YTD total stands at 758 WNV seroconversions.

\*\*Note: Bulletin 29 will go out on Monday, November 8.

#### **Website Information:**

For updated information on WNV, please visit the California WNV website, <a href="www.westnile.ca.gov">www.westnile.ca.gov</a>; the CDC website, <a href="www.westnilemaps.usgs.gov">www.westnilemaps.usgs.gov</a>. Please go to the Vector website at <a href="http://vector.ucdavis.edu/arbo.html">http://vector.ucdavis.edu/arbo.html</a> for flock location and more information on WNV and other vector-borne diseases.

# **Humans and Equines**

## **TESTING SUMMARIES**

		Number	WNV P	ositive	WEE P	ositive	SLE P	ositive	Other F	ositive
		Tested	Imported	Local	Imported	Local	Imported	Local	Imported	Local
Individuals Tested	Week	34	0	17	0	0	0	0	0	0
	YTD	1657	0	790	0	0	0	0	0	0
Suspect Equine	Week	n/a	0	8	0	0	0	0	0	0
Cases	YTD	1273	0	529	0	0	0	0	0	0

## **Dead Birds**

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	Number Tested	WNV Positive
Week	75	27
YTD	5,007	3,106

# Sentinel Chickens and

Wiosquito Fooi	8	Tested	Positive	Positive	Positive	Positive
	Week	800*	70	0	0	0
Chicken sera	YTD	29,106	758	0	0	0
	Week	216	5	0	0	0
Mosquito pools	YTD	14,353	1124	0	0	0

<sup>\*</sup>This total has been adjusted to include local agency submission

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# **POSITIVES**

**Human Positives Reported:** 

Virus	Date of Onset	Status	Diagnosis	County	Imported/Local	From
WNV	Unknown	Probable	Unknown	Tulare	Local	
WNV	Unknown	Probable	Unknown	Riverside	Local	
WNV	Unknown	Probable	West Nile Fever	Kern	Local	
WNV	Unknown	Probable	Unknown	Kern	Local	
WNV	9/18/04	Probable	West Nile Fever	Kern	Local	
WNV	10/08/04	Probable	West Nile Neuroinvasive Disease	Kern	Local	
WNV	9/21/04	Probable	West Nile Neuroinvasive Disease	Kern	Local	
WNV	8/02/04	Probable	West Nile Neuroinvasive Disease	Riverside	Local	
WNV	7/26/04	Probable	West Nile Neuroinvasive Disease	Riverside	Local	
WNV	7/21/04	Probable	Unknown	Riverside	Local	
WNV	8/27/04	Probable	West Nile Fever	Riverside	Local	
WNV	7/0804	Probable	West Nile Fever	Riverside	Local	
WNV	7/19/04	Probable	West Nile Fever	Riverside	Local	
WNV	7/26/04	Probable	West Nile Neuroinvasive Disease	Riverside	Local	
WNV	Unknown	Probable	Unknown	Los Angeles	Local	
WNV	Unknown	Probable	Unknown	Los Angeles	Local	
WNV	Unknown	Probable	Unknown	Los Angeles	Local	

\*Indicates fatality

**Chicken Seroconversions Reported by DHS:** 

	Virus County	State	Acode	City	Location
	WNV Kern	CA	KERN0104	Bakersfield	Old River
	<b>Bands</b> : 2061				<b>Probable Seroconversion Date</b> : 27-September-04
	WNV Kern	CA	KERN0105	Bakersfield	Wible/Houghton
	<b>Bands</b> : 2068				<b>Probable Seroconversion Date</b> : 27-September-04
	WNV Kern	CA	KERN0110	Bakersfield	Kern River
	<b>Bands</b> : 2067				<b>Probable Seroconversion Date</b> : 27-September-04
****	WNV Los Angeles	CA	ANTV3247	Lancaster	Fairgrounds
	<b>Bands</b> : 1051				Probable Seroconversion Date: 22-September-04
	WNV Los Angeles	CA	ANTV8656	Lancaster	Volmer
	<b>Bands</b> : 1049				<b>Probable Seroconversion Date</b> : 22-September-04
	WNV Los Angeles	CA	ANTV8656	Lancaster	Volmer
	<b>Bands</b> : 4156, 4159				Probable Seroconversion Date: 6-October-04
****	WNV Los Angeles	CA	GRLA1001	Harbor City	Machado Lake
	Band: 4684, 4685, 4687, 4688				Probable Seroconversion Date: 4-October-04
	WNV Los Angeles	CA	GRLA1001	Harbor City	Machado Lake
	<b>Band</b> : 4686				Probable Seroconversion Date: 7-October-04
	WNV Los Angeles	CA	GRLA1002	Los Angeles	Griffith Park
	<b>Band</b> : 4697				<b>Probable Seroconversion Date</b> : 22-September-04
****	WNV Los Angeles	CA	LACW1002	Torrance	Madrona Marsh
	<b>Band</b> : 2132, 2135, 2136				Probable Seroconversion Date:21-October-04
	WNV Los Angeles	CA	LACW1009	Los Angeles	Rosedale Cemetery
	<b>Band</b> : 2177, 2178				Probable Seroconversion Date: 11-October-04
****	WNV Los Angeles	CA	LACW1023	Topanga	Topanga State Park
	<b>Band</b> : 2213				Probable Seroconversion Date: 21-October-04
****	WNV Los Angeles	CA	LACW1026	Beverly Hills	Franklin Canyon Park
	<b>Band</b> : 2228				Probable Seroconversion Date: 11-October-04
	WNV Los Angeles	CA	LONG0003	Long Beach	Del Amo Blvd Horse Stable
	<b>Band</b> : 1228				<b>Probable Seroconversion Date</b> : 7-September-04
	WNV Los Angeles	CA	LONG0004	Long Beach	Long Beach Marina Oil
	<b>Band</b> : 4376, 4385				Probable Seroconversion Date: 4-October-04

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WNV Los Angeles CA SGVA0004 Arcadia LA Arboretum Probable Seroconversion Date: 8-September- **** WNV Los Angeles CA SGVA0005 Irwindale Santa Fe Dam Probable Seroconversion Date: 8-September- WNV Los Angeles CA SGVA0006 Glendora Los Cerritos Rd Band: 3133, 3134, 3135, 3167, 3170 WNV Los Angeles CA SGVA0007 Claremont Bernard Bio Station Band: 3150, 3152, 3154  WNV Los Angeles CA SGVA0007 Claremont Bernard Bio Station Probable Seroconversion Date: 8-September- WNV Los Angeles CA SGVA0008 Pomona Cal-Poly Rose Bowl Band: 3158 Probable Seroconversion Date: 8-September- WNV Los Angeles CA SGVA0009 Walnut Gartel Dr. Band: 3161, 3165 Probable Seroconversion Date: 8-September- WNV Los Angeles CA SGVA0009 Walnut Gartel Dr. Band: 3143, 3145, 3146, 3147, 3148 Probable Seroconversion Date: 8-September- WNV Los Angeles CA SGVA0014 La Verne Live Oak CynRd Probable Seroconversion Date: 8-September- WNV Los Angeles CA SGVA0024 Altadena Eaton Cyn Nature Ctr. Band: 3122 WNV Moab UT MOAB0002 Moab Riversands Band: 0006 Probable Seroconversion Date: 20-October-0 WNV Placer CA PLCR0027 Loomis Loomis Band: 2742, 2744, 2747 Probable Seroconversion Date: 27-September- WNV Placer CA PLCR0027 Loomis Loomis Probable Seroconversion Date: 27-September- WNV Placer CA PLCR0027 Loomis Brown Probable Seroconversion Date: 28-September- WNV Placer CA PLCR0028 Auburn Brown	Virus	s County	State	Acode	City	Location
### WNV Los Angeles CA SGVA0004 Arcadia LA Arboretum    Band: 3127	WNV	Los Angeles	CA	SGVA0001	Industry	California Country Club
Band: 3127	Band:	1: 3101, 3102, 3104, 3105				Probable Seroconversion Date: 8-September-04
### WNV Los Angeles CA SGVA0005 Irwindale Santa Fe Dam    Probable Seroconversion Date: 8-September-	WNV	Los Angeles	CA	SGVA0004	Arcadia	LA Arboretum
Band: 3133, 3134, 3135, 3167, 3170	Band:	: 3127				<b>Probable Seroconversion Date</b> : 8-September-04
WNV	* WNV	Los Angeles	CA	SGVA0005	Irwindale	Santa Fe Dam
Band: 3138, 3139, 3140, 3142	Band:	1: 3133, 3134, 3135, 3167, 3170				Probable Seroconversion Date: 8-September-04
WNV         Los Angeles         CA         SGVA0007         Claremont         Bernard Bio Station           Band:         3150, 3152, 3154         Probable Seroconversion Date: 8-September-           WNV         Los Angeles         CA         SGVA0008         Pomona         Cal-Poly Rose Bowl           Band:         3158         Probable Seroconversion Date: 8-September-           WNV         Los Angeles         CA         SGVA0009         Walnut         Gartel Dr.           Band:         3161, 3165         Probable Seroconversion Date: 8-September-           *****         WNV         Los Angeles         CA         SGVA0014         La Verne         Live Oak CynRd           Band:         3143, 3145, 3146, 3147, 3148         Probable Seroconversion Date: 8-September-           WNV         Los Angeles         CA         SGVA0024         Altadena         Eaton Cyn Nature Ctr.           Band:         3122         Probable Seroconversion Date: 8-September-           WNV         Moab         Riversands         Probable Seroconversion Date: 20-October-0           *****         WNV         Placer         CA         PLCR0027         Loomis         Loomis           Band:         2742, 2746         Probable Seroconversion Date: 12-October-0         Probable Seroconver	WNV	Los Angeles	CA	SGVA0006	Glendora	Los Cerritos Rd
Band:         3150, 3152, 3154         Probable Seroconversion Date:         8-September-           WNV         Los Angeles         CA         SGVA0008         Pomona         Cal-Poly Rose Bowl           Band:         3158         Probable Seroconversion Date:         8-September-           WNV         Los Angeles         CA         SGVA0009         Walnut         Gartel Dr.           Band:         3161, 3165         Probable Seroconversion Date:         8-September-           *****         WNV         Los Angeles         CA         SGVA0014         La Verne         Live Oak CynRd           Band:         3143, 3145, 3146, 3147, 3148         Probable Seroconversion Date:         8-September-           WNV         Los Angeles         CA         SGVA0024         Altadena         Eaton Cyn Nature Ctr.           Band:         3122         Probable Seroconversion Date:         8-September-           WNV         Moab         UT         MOAB0002         Moab         Riversands           Band:         0006         Probable Seroconversion Date:         20-October-0           *****         WNV         Placer         CA         PLCR0027         Loomis         Loomis           Band:         2742, 2746         Probable Seroconversion	Band:	1: 3138, 3139, 3140, 3142				Probable Seroconversion Date: 8-September-04
WNV	WNV	Los Angeles	CA	SGVA0007	Claremont	Bernard Bio Station
Band: 3158	Band:	1: 3150, 3152, 3154				Probable Seroconversion Date: 8-September-04
WNV	WNV	Los Angeles	CA	SGVA0008	Pomona	Cal-Poly Rose Bowl
Band: 3161, 3165  ***** WNV Los Angeles CA SGVA0014 La Verne Live Oak CynRd  Band: 3143, 3145, 3146, 3147, 3148  WNV Los Angeles CA SGVA0024 Altadena Eaton Cyn Nature Ctr.  Band: 3122  Probable Seroconversion Date: 8-September-  WNV Moab UT MOAB0002 Moab Riversands  Band: 0006  ***** WNV Placer CA PLCR0027 Loomis Loomis  Band: 2743, 2744, 2747  WNV Placer CA PLCR0027 Loomis Loomis  Band: 2742, 2746  **** WNV Placer CA PLCR0027 Loomis Loomis  Band: 2751, 2752, 2755, 2757, 2759, 2760  **** WNV Placer CA PLCR0028 Auburn Brown  Band: 2751, 2752, 2755, 2757, 2759, 2760  WNV Placer CA PLCR0028 Auburn Brown  Band: 2756  **** Probable Seroconversion Date: 12-October-0	Band:	: 3158				Probable Seroconversion Date: 8-September-04
#### WNV Los Angeles CA SGVA0014 La Verne Live Oak CynRd  Band: 3143, 3145, 3146, 3147, 3148 Probable Seroconversion Date: 8-September- WNV Los Angeles CA SGVA0024 Altadena Eaton Cyn Nature Ctr.  Band: 3122 Probable Seroconversion Date: 8-September- WNV Moab UT MOAB0002 Moab Riversands Band: 0006 Probable Seroconversion Date: 20-October-0  #### WNV Placer CA PLCR0027 Loomis Loomis Band: 2743, 2744, 2747 Probable Seroconversion Date: 27-September- WNV Placer CA PLCR0027 Loomis Loomis Band: 2742, 2746 Probable Seroconversion Date: 12-October-0  #### WNV Placer CA PLCR0028 Auburn Brown Band: 2751, 2752, 2755, 2757, 2759, 2760 Probable Seroconversion Date: 28-September- WNV Placer CA PLCR0028 Auburn Brown Band: 2756 Probable Seroconversion Date: 12-October-0  #### WNV Placer CA PLCR0028 Auburn Brown Probable Seroconversion Date: 12-October-0  #### WNV Placer CA PLCR0028 Auburn Brown Probable Seroconversion Date: 12-October-0  #### WNV Placer CA PLCR0028 Auburn Brown Probable Seroconversion Date: 12-October-0  #### WNV Placer CA PLCR0028 Auburn Brown Probable Seroconversion Date: 12-October-0  #### WNV Placer CA PLCR0028 Auburn Brown Probable Seroconversion Date: 12-October-0	WNV	Los Angeles	CA	SGVA0009	Walnut	Gartel Dr.
Band: 3143, 3145, 3146, 3147, 3148  Band: 3122  WNV Los Angeles CA SGVA0024 Altadena Eaton Cyn Nature Ctr.  Band: 3122  Probable Seroconversion Date: 8-September- WNV Moab UT MOAB0002 Moab Riversands  Band: 0006  ***** WNV Placer CA PLCR0027 Loomis Loomis  Band: 2743, 2744, 2747  Probable Seroconversion Date: 27-September- WNV Placer CA PLCR0027 Loomis Loomis  Band: 2742, 2746  **** WNV Placer CA PLCR0028 Auburn Brown  Band: 2751, 2752, 2755, 2757, 2759, 2760  WNV Placer CA PLCR0028 Auburn Brown  Band: 2756  Probable Seroconversion Date: 12-October-0	Band:	1: 3161, 3165				<b>Probable Seroconversion Date</b> : 8-September-04
WNV	* WNV	Los Angeles	CA	SGVA0014	La Verne	Live Oak CynRd
Band: 3122	Band:	1: 3143, 3145, 3146, 3147, 3148				Probable Seroconversion Date: 8-September-04
WNV   Moab   UT   MOAB0002   Moab   Riversands	WNV	Los Angeles	CA	SGVA0024	Altadena	Eaton Cyn Nature Ctr.
#*** WNV Placer CA PLCR0027 Loomis Loomis  Band: 2742, 2746 Probable Seroconversion Date: 12-October-0  **** WNV Placer CA PLCR0028 Auburn Brown  Band: 2751, 2752, 2755, 2757, 2759, 2760 Probable Seroconversion Date: 28-September WNV Placer CA PLCR0028 Auburn Brown  WNV Placer CA PLCR0028 Auburn Brown  Band: 2756 Probable Seroconversion Date: 12-October-0  WNV Placer CA PLCR0028 Auburn Brown  Brown  Brown  Brown  Brown  Brown  Probable Seroconversion Date: 12-October-0  Probable Seroconversion Date: 12-October-0	Band:	1: 3122				Probable Seroconversion Date: 8-September-04
*****         WNV         Placer         CA         PLCR0027         Loomis         Loomis           Band:         2743, 2744, 2747         Probable Seroconversion Date: 27-Septembe           WNV         Placer         CA         PLCR0027         Loomis         Loomis           Band:         2742, 2746         Probable Seroconversion Date: 12-October-0           ****         WNV         Placer         CA         PLCR0028         Auburn         Brown           Band:         2751, 2752, 2755, 2757, 2759, 2760         Probable Seroconversion Date: 28-Septembe           WNV         Placer         CA         PLCR0028         Auburn         Brown           Band:         2756         Probable Seroconversion Date: 12-October-0	WNV	Moab	UT	MOAB0002	Moab	Riversands
Band:         2743, 2744, 2747         Probable Seroconversion Date:         27-September           WNV         Placer         CA         PLCR0027         Loomis         Loomis           Band:         2742, 2746         Probable Seroconversion Date:         12-October-0           *****         WNV         Placer         CA         PLCR0028         Auburn         Brown           Band:         2751, 2752, 2755, 2757, 2759, 2760         Probable Seroconversion Date:         28-September           WNV         Placer         CA         PLCR0028         Auburn         Brown           Band:         2756         Probable Seroconversion Date:         12-October-0	Band:	1: 0006				Probable Seroconversion Date: 20-October-04
WNV   Placer   CA   PLCR0027   Loomis   Loomis	* WNV	Placer	CA	PLCR0027	Loomis	Loomis
Band: 2742, 2746         Probable Seroconversion Date: 12-October-0           *****         WNV         Placer         CA         PLCR0028         Auburn         Brown           Band: 2751, 2752, 2755, 2757, 2759, 2760         Probable Seroconversion Date: 28-September           WNV         Placer         CA         PLCR0028         Auburn         Brown           Band: 2756         Probable Seroconversion Date: 12-October-0	Band:	1: 2743, 2744, 2747				<b>Probable Seroconversion Date</b> : 27-September-04
**** WNV Placer CA PLCR0028 Auburn Brown  Band: 2751, 2752, 2755, 2757, 2759, 2760 Probable Seroconversion Date: 28-Septembe  WNV Placer CA PLCR0028 Auburn Brown  Band: 2756 Probable Seroconversion Date: 12-October-0	WNV	Placer	CA	PLCR0027	Loomis	Loomis
Band:         2751, 2752, 2755, 2757, 2759, 2760         Probable Seroconversion Date:         28-September           WNV         Placer         CA         PLCR0028         Auburn         Brown           Band:         2756         Probable Seroconversion Date:         12-October-0	Band:	1: 2742, 2746				Probable Seroconversion Date: 12-October-04
WNV Placer CA PLCR0028 Auburn Brown  Band: 2756 Probable Seroconversion Date: 12-October-0	* WNV	Placer	CA	PLCR0028	Auburn	Brown
Band: 2756 Probable Seroconversion Date: 12-October-0	Band:	: 2751, 2752, 2755, 2757, 2759,	, 2760			<b>Probable Seroconversion Date</b> : 28-September-04
	WNV	Placer	CA	PLCR0028	Auburn	Brown
**** WNV Riverside CA COAV0208 Niland Mesquite	Band:	1: 2756				Probable Seroconversion Date: 12-October-04
	* WNV	Riverside	CA	COAV0208	Niland	Mesquite
Band: 1301 Probable Seroconversion Date: 6-September-	Band:	1: 1301				<b>Probable Seroconversion Date</b> : 6-September-04
WNV Riverside CA COAV0208 Niland Mesquite	WNV	Riverside	CA	COAV0208	Niland	Mesquite
Band: 1303 Probable Seroconversion Date: 20-September	Band:	1: 1303				<b>Probable Seroconversion Date</b> : 20-September-04
**** WNV Shasta CA SHAS9702 Millville Millville	* WNV	Shasta	CA	SHAS9702	Millville	Millville
Band: 3440, 3442 Probable Seroconversion Date: 29-September	Band:	1: 3440, 3442				<b>Probable Seroconversion Date</b> : 29-September-04
**** WNV Stanislaus CA EAST1957 Modesto Mapes	* WNV	7 Stanislaus	CA	EAST1957	Modesto	Mapes
Band: 1743 Probable Seroconversion Date: 15-September	Band:	1: 1743				<b>Probable Seroconversion Date</b> : 15-September-04
WNV Stanislaus CA EAST1957 Modesto Mapes	WNV	7 Stanislaus	CA	EAST1957	Modesto	Mapes
Band: 1747 Probable Seroconversion Date: 29-Septembe	Band:	l: 1747				<b>Probable Seroconversion Date</b> : 29-September-04
WNV Stanislaus CA EAST1957 Modesto Mapes	WNV	7 Stanislaus	CA	EAST1957	Modesto	Mapes
Band: 1748 Probable Seroconversion Date: 13-October-0	Band:	1: 1748				Probable Seroconversion Date: 13-October-04

<sup>\*\*\*\*</sup>Indicates a new flock

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**Virus Isolations From Mosquito Pools:** 

Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WNV	Culex quinquefasciatus	12-Oct	GRLA	3383	Harbor City	Los Angeles	21-Oct
WNV	Culex quinquefasciatus	14-Oct	KERN	478	Shafter	Kern	20-Oct
WNV	Culex quinquefasciatus	14-Oct	KERN	481	Shafter	Kern	20-Oct
WNV	Culex quinquefasciatus	13-Oct	KERN	5843	Bakersfield	Kern	20-Oct
WNV	Culex quinquefasciatus	13-Oct	LACW	215	Rolling Hills Estate	Los Angeles	19-Oct

# **Dead Birds Tested Positive for WNV last week**

Species	County	City	ZIP	Date Collected	Date Tested
American Crow	Inyo	Bishop	93514	10/7/2004	10/18/2004
American Crow	Lake	Lucerne	95458	10/8/2004	10/18/2004
American Crow	Lake	Nice	95464	10/7/2004	10/18/2004
American Crow	Merced	Delhi	95315	10/8/2004	10/18/2004
American Crow	Placer	Roseville	95661	10/5/2004	10/18/2004
American Crow	Sacramento	Orangevale	95662	10/8/2004	10/18/2004
American Crow	Sacramento	Sacramento	95825	10/8/2004	10/18/2004
American Robin	Marin	Novato	94947	10/11/2004	10/18/2004
Brewer's Blackbird	Kern	North Edwards	93523	10/11/2004	10/18/2004
Cooper's Hawk	Alameda	Alameda	94501	10/8/2004	10/18/2004
Fox Sparrow	Shasta	Burney	96013	10/11/2004	10/18/2004
Golden-crowned Sparrow	Merced	Merced	95340	10/8/2004	10/18/2004
Hermit Thrush	Sonoma	Guerneville	95446	10/8/2004	10/18/2004
Steller's Jay	Placer	Loomis	95650	10/6/2004	10/18/2004
Steller's Jay	Yuba	Olivehurst	95961	10/11/2004	10/18/2004
Western Scrub-Jay	Butte	Magalia	95954	10/7/2004	10/18/2004
Western Scrub-Jay	Kings	Hanford	93230	10/11/2004	10/18/2004
Western Scrub-Jay	Nevada	Nevada	95959	10/8/2004	10/18/2004
Western Scrub-Jay	Sonoma	Sebastopol	95472	10/6/2004	10/18/2004
Western Scrub-Jay	Stanislaus	Hughson	95326	10/7/2004	10/18/2004
Western Scrub-Jay	Yolo	West Sacramento	95691	10/12/2004	10/18/2004
Yellow-billed Magpie	Sacramento	Orangevale	95662	10/7/2004	10/18/2004
Yellow-billed Magpie	Sacramento	Orangevale	95662	10/8/2004	10/18/2004
Yellow-billed Magpie	San Joaquin	Acampo	95220	10/6/2004	10/18/2004
Yellow-billed Magpie	Stanislaus	Ceres	95307	10/11/2004	10/18/2004
Yellow-billed Magpie	Stanislaus	Ceres	95307	10/11/2004	10/18/2004
Yellow-billed Magpie	Stanislaus	Ceres	95307	10/11/2004	10/18/2004

<sup>\*\*\*</sup>Indicates Vec-Test

Week 43 Monday, November 1, 2004

### **National Comments:**

As of October 26, 2004, West Nile Virus (WNV) activity has been detected in 47 states, the District of Columbia, Puerto Rico, and New York City. A total of 2231 human WNV cases have been reported in 40 states, DC and New York City. At this time in 2003, 7718 cases had been reported from 44 states, DC, and NYC. Of the 2201 WNV cases where data is available, the median age is 52 years (range: 1 month – 99 years) and 59% are male. Thirty-six percent of the cases were neuroinvasive, compared with 29% at this time in 2003. There have been 73 WNV-related fatalities nationwide in 2004. The median age of the 72 fatalities where data were available was 75 years (range: 43-95 years).

### **Dead Birds:**

Dead bird kidney tissues are tested at CVEC using the PCR Taqman assay, subsequent to carcass necropsy at the California Animal Health and Food Safety (CAHFS) Laboratories. 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) 412-6251.

Crows from positive zip codes are no longer accepted for necropsy. Positive Vec-tests from oral swabs from crows are no longer confirmed. Other bird species tested by RT-PCR using singleplex and confirmed with a second primer set.

#### **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) and IgM Capture – Enzyme Linked Immunosorbent Assay (MAC-ELISA)) on specimens from sentinel chickens in which antibodies are detected in new geographic areas. The VRDL also forwards selected serum to the UC Davis Center for Vectorborne Diseases (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. There will be an elimination of *in situ* EIA testing for all mosquito species.

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