

California Arbovirus Surveillance Bulletin # 26

Week 33 Friday, August 15th, 2008

Weekly and Year-To-Date Summaries

WEEKLY COMMENTS



Humans

Nineteen new human cases of West Nile virus (WNV) illness were reported this week from Los Angeles (9), Orange (2), Riverside (4), Sacramento (1), San Diego (1), San Joaquin (1), and Solano (1) counties. In 2008, 73 human cases have been reported in the following 13 counties: Alameda (1), Butte (1), Fresno (1), Los Angeles (25), Orange (14), Riverside (13), Sacramento (3), San Bernardino (2), San Diego (4), San Joaquin (2), Solano (1), Stanislaus (5), and Tulare (1). Of the 73 individuals, 46 (63%) developed neuroinvasive symptoms. The median age of the 73 individuals is 51 years (range: 4-81 years), and 44 (60%) are male. No cases have resulted in fatalities. Twenty WNV-positive blood donation samples have been reported this year; 8 of the individuals reported symptoms and were reclassified as cases.

Horses

No new equine cases were reported this week. In 2008, four WNV cases have been detected in horses from Fresno (1), Riverside (2), and San Diego (1) counties.

Dead Birds & Tree Squirrels

One hundred and forty-eight new West Nile virus (WNV) positive dead birds were reported this week from the following counties: Butte (4), Colusa (1), Contra Costa (5), Fresno (1), Glenn (1), Kern (2), Los Angeles (24), Orange (46), Placer (2), Riverside (2), Sacramento (6), San Bernardino (17), San Diego (35), San Joaquin (2), and Tulare (1). In 2008, 1,135 WNV positive dead birds have been detected in 32 counties.

One new WNV positive tree squirrel was reported this week from Los Angeles County. In 2008, six WNV tree squirrels have been detected from Contra Costa (3), Los Angeles (1), and San Bernardino (2) counties.

Mosquito Pools

One hundred and ninety-five new positive mosquito pools were reported this week from the following counties: Fresno (1), Lake (1), Los Angeles (97), Orange (9), Placer (8), Riverside (10), Sacramento (19), San Bernardino (19), San Diego (2), San Joaquin (13), Stanislaus (11), Sutter (2), and Tulare (3). In 2008, 906 WNV positive mosquito pools have been detected in 23 counties.

Sentinel Chickens

Thirteen new seroconversions were reported this week from Butte (2), Los Angeles (5), Riverside (3), and Stanislaus (3) counties. In 2008, 63 WNV seroconversions have been detected in chickens from nine counties.

Website Information: For updated information on WNV in California, please visit the California WNV website, www.westnile.ca.gov, or the California Vectorborne Disease Surveillance System website, www.calsurv.org. For national information on WNV and other arboviruses, please visit the CDC website, www.cdc.gov, and the USGS website, www.westnilemaps.usgs.gov.

2007 & 2008 YTD West Nile Virus Comparisons		
	2007	2008
Total # Dead Bird Reports	21,755	22,950
# Positive Counties	45	36
# Human Cases/ # Tested	121 / 695	73 / 580
# Horse Cases/ # Tested	11 / 197	4 / 158
# Positive Dead Birds/ # Tested	651 / 3,528	1,135 / 3,647
# Positive Mosquito Pools/ # Tested	531 / 17,151	906 / 18,659
# Positive Chicken Sera/ # Tested	136 / 17,821	63 / 18,311
# Positive Squirrels/ # Tested	8 / 121	6 / 107

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YTD WNV Activity by Element and County, 2008

County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens	Squirrels
Alameda	1		2			
Amador			2			
Butte	1		17	2	2	
Colusa			2			
Contra Costa			34	11		3
El Dorado			2			
Fresno	1	1	10	22		
Glenn			4	1		
Imperial				1	4	
Kern			7	3		
Lake				2		
Los Angeles	25		162	247	11	1
Marin			1			
Mendocino			1			
Merced			1			
Monterey			2			
Nevada			4			
Orange	14		319	76		
Placer			2	18		
Riverside	13	2	19	73	19	
Sacramento	3		67	186	1	
San Bernardino	2		73	98	12	2
San Diego	4	1	250	12	8	
San Joaquin	2		56	87		
San Mateo			1			
Santa Clara			8	1		
Santa Cruz			1			
Shasta			6			
Solano	1		5	1		
Sonoma				1		
Stanislaus	5		23	29	5	
Sutter			2	10		
Tulare	1		45	19	1	
Ventura			3			
Yolo			4	5		
Yuba				1		
Totals	73	4	1,135	906	63	6

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2008 TEST SUMMARIES

Human & Horse Cases

		Number Tested	WNV		WEE		SLE		Other	
			Imported	Local	Imported	Local	Imported	Local	Imported	Local
Humans Tested*	Week	57	0	19	0	0	0	0	0	0
	YTD	580	0	73*	0	0	0	0	0	0
Horses Tested	Week	n/a	0	0	0	0	0	0	0	0
	YTD	158	0	4	0	0	0	0	0	0

* Los Angeles County removed one of their previously reported cases

Dead Birds & Tree Squirrels

		Number Tested	WNV Positive
Dead Birds	Week	224	148
	YTD	3,647	1,135
Tree Squirrels	Week	3	1
	YTD	107	6

Sentinel Chickens & Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive
Chicken Sera	Week	904	13	0	0
	YTD	18,311	63	0	0
Mosquito Pools: RT-PCR	Week	1,917	165	0	0
	YTD	16,895	719	0	0
Mosquito Pools: RAMP	Week	198	30	N/A	N/A
	YTD	1,764	187	N/A	N/A

POSITIVES: 8/11/08 – 8/15/08

Humans

Report Date	County	Age	Sex	Clin Pres	Onset Date	WNF Fatality?
08/08/08	BUTTE	>18	F	WNF^	07/28/08	NO
08/08/08	ORANGE	27	M	WNF	n/a	NO
08/11/08	RIVERSIDE	81	M	WNND	07/20/08	NO
08/12/08	SOLANO	51	M	WNND	n/a	NO
08/12/08	RIVERSIDE	30	M	WNND	07/14/08	NO
08/13/08	SACRAMENTO	8	F	WNF	07/31/08	NO
08/13/08	ORANGE	40	M	WNND	Week 29	NO
08/13/08	RIVERSIDE	34	F	WNND	07/13/08	NO
08/13/08	SAN JOAQUIN	26	F	WNF	07/04/08	NO
08/14/08	RIVERSIDE	83	M	WNND	07/18/08	NO
08/14/08	LOS ANGELES	36	M	WNND	07/29/08	NO
08/14/08	LOS ANGELES	56	F	WNND	07/11/08	NO
08/14/08	LOS ANGELES	62	M	n/a	n/a	NO
08/14/08	LOS ANGELES	77	F	n/a	n/a	NO
08/14/08	LOS ANGELES	51	M	n/a	n/a	NO

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08/14/08	LOS ANGELES	59	F	WNND	07/31/08	NO
08/14/08	LOS ANGELES	63	M	WNF	07/14/08	NO
08/14/08	LOS ANGELES	47	F	n/a	n/a	NO
08/14/08	LOS ANGELES	53	M	WNND	07/14/08	NO
08/14/08	SAN DIEGO	52	M	WNND	n/a	NO

Dead Birds and Tree Squirrels

County	City	Zip	Species	Reported	Tested	Test Method
Butte	Chico	95928	American Crow	8/5/08	8/11/08	RT-PCR
Butte	Chico	95926	Western Scrub-Jay	8/5/08	8/11/08	RT-PCR
Butte	Oroville	95966	Western Scrub-Jay	8/5/08	8/11/08	RT-PCR
Butte	Paradise	95969	Western Scrub-Jay	8/6/08	8/11/08	RT-PCR
Colusa	Colusa	95932	Mallard	7/31/08	8/11/08	RT-PCR
Contra Costa	Antioch	94531	Western Scrub-Jay	8/4/08	8/11/08	RT-PCR
Contra Costa	Antioch	94509	American Crow	8/6/08	8/7/08	RAMP
Contra Costa	Antioch	94531	American Crow	8/7/08	8/7/08	RAMP
Contra Costa	Lafayette	94549	American Robin	7/28/08	8/11/08	RT-PCR
Contra Costa	Walnut Creek	94595	House Finch	7/23/08	8/11/08	RT-PCR
Fresno	Clovis	93612	American Crow	8/1/08	8/11/08	RT-PCR
Glenn	Orland	95963	American Crow	7/31/08	8/11/08	RT-PCR
Kern	Bakersfield	93314	American Robin	7/23/08	8/11/08	RT-PCR
Kern	Bakersfield	93312	Barn Swallow	8/6/08	8/11/08	RT-PCR
Los Angeles	Arcadia	91006	American Crow	8/5/08	8/11/08	RT-PCR
Los Angeles	Bellflower	90706	American Crow	8/1/08	8/11/08	RT-PCR
Los Angeles	Calabasas	91302	House Finch	8/5/08	8/11/08	RT-PCR
Los Angeles	Granada Hills	91344	American Crow	8/4/08	8/11/08	RT-PCR
Los Angeles	La Puente	91744	American Crow	7/30/08	8/11/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	7/30/08	8/11/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	7/31/08	8/11/08	RT-PCR
Los Angeles	Long Beach	90803	American Crow	7/31/08	8/11/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	7/31/08	8/11/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	8/1/08	8/11/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	8/1/08	8/11/08	RT-PCR
Los Angeles	Long Beach	90815	American Crow	8/1/08	8/11/08	RT-PCR
Los Angeles	Long Beach	90806	American Crow	8/1/08	8/11/08	RT-PCR
Los Angeles	Los Angeles	90018	House Sparrow	7/28/08	8/11/08	RT-PCR
Los Angeles	Monrovia	91016	American Crow	8/5/08	8/11/08	RT-PCR
Los Angeles	Norwalk	90650	American Crow	7/25/08	8/11/08	RT-PCR
Los Angeles	Paramount	90723	Northern Mockingbird	8/4/08	8/11/08	RT-PCR
Los Angeles	Pomona	91768	American Crow	8/5/08	8/11/08	RT-PCR
Los Angeles	Porter Ranch	91326	American Crow	8/1/08	8/11/08	RT-PCR
Los Angeles	Rowland Heights	91748	American Kestrel	7/29/08	8/11/08	RT-PCR
Los Angeles	South El Monte	91733	House Sparrow	7/31/08	8/11/08	RT-PCR
Los Angeles	West Covina	91790	American Crow	7/31/08	8/11/08	RT-PCR
Los Angeles	Whittier	90601	American Crow	7/31/08	8/11/08	RT-PCR
Los Angeles	Whittier	90606	House Sparrow	8/3/08	8/11/08	RT-PCR

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Los Angeles	Woodland Hills	91364	Fox Squirrel	7/31/08	8/12/08	RT-PCR
Orange	ANAHEIM	92802	American Crow	8/5/08	8/1/08	RT-PCR
Orange	Anaheim	92801	House Sparrow	8/1/08	8/5/08	RT-PCR
Orange	Anaheim	92802	American Crow	8/5/08	8/7/08	RT-PCR
Orange	Anaheim	92804	American Crow	8/6/08	8/5/08	RT-PCR
Orange	Anaheim	92804	House Sparrow	8/5/08	8/8/08	RT-PCR
Orange	Anaheim	92802	American Crow	8/6/08	8/8/08	RT-PCR
Orange	Anaheim	92802	American Crow	8/6/08	8/8/08	RT-PCR
Orange	Brea	92821	House Sparrow	8/5/08	8/7/08	RT-PCR
Orange	Buena Park	90620	American Crow	8/1/08	8/5/08	RT-PCR
Orange	Buena Park	90621	American Crow	8/5/08	8/8/08	RT-PCR
Orange	COSTA MESA	92626	American Crow	8/5/08	8/1/08	RT-PCR
Orange	Costa Mesa	92626	American Crow	8/6/08	8/8/08	RT-PCR
Orange	COTO DE CAZA	92679	Unknown	8/4/08	8/7/08	RT-PCR
Orange	Cypress	90630	House Sparrow	8/1/08	8/5/08	RT-PCR
Orange	Cypress	90808	American Crow	8/5/08	8/7/08	RT-PCR
Orange	Cypress	90630	American Crow	8/5/08	8/8/08	RT-PCR
Orange	FOUNTAIN VALLEY	92708	American Crow	8/5/08	8/5/08	RT-PCR
Orange	Fountain Valley	92708	American Crow	8/5/08	8/7/08	RT-PCR
Orange	Fountain Valley	92708	American Crow	8/5/08	8/7/08	RT-PCR
Orange	Fullerton	92833	Unknown	8/4/08	8/7/08	RT-PCR
Orange	Fullerton	92831	American Crow	8/5/08	8/7/08	RT-PCR
Orange	Fullerton	92833	Western Bluebird	8/5/08	8/7/08	RT-PCR
Orange	Fullerton	92831	American Crow	8/5/08	8/8/08	RT-PCR
Orange	FULLERTON	92833	Western Bluebird	7/29/08	8/1/08	RT-PCR
Orange	FULLERTON	92831	American Crow	7/29/08	8/1/08	RT-PCR
Orange	Garden Grove	92840	American Crow	8/6/08	8/8/08	RT-PCR
Orange	Garden Grove	92843	Unknown	7/25/08	8/1/08	RT-PCR
Orange	Huntington Beach	92649	American Crow	8/3/08	8/7/08	RT-PCR
Orange	Huntington Beach	92646	American Crow	8/5/08	8/7/08	RT-PCR
Orange	Huntington Beach	92649	American Crow	8/5/08	8/7/08	RT-PCR
Orange	Huntington Beach	92646	American Crow	8/6/08	8/7/08	RT-PCR
Orange	Huntington Beach	92646	American Crow	8/6/08	8/8/08	RT-PCR
Orange	Huntington Beach	92646	American Crow	7/29/08	8/1/08	RT-PCR
Orange	IRVINE	92620	American Crow	8/4/08	8/7/08	RT-PCR
Orange	Irvine	92602	American Crow	8/5/08	8/7/08	RT-PCR
Orange	Irvine	92606	American Crow	8/6/08	8/7/08	RT-PCR
Orange	Mission Viejo	92691	American Crow	8/5/08	8/7/08	RT-PCR
Orange	Mission Viejo	92691	American Crow	8/5/08	8/7/08	RT-PCR
Orange	ORANGE	92867	American Crow	8/5/08	8/1/08	RT-PCR
Orange	ORANGE	92868	American Crow	8/5/08	8/5/08	RT-PCR
Orange	Orange	92865	American Crow	8/5/08	8/7/08	RT-PCR
Orange	SANTA ANA	92705	American Crow	8/5/08	8/5/08	RT-PCR
Orange	Santa Ana	92706	American Crow	8/6/08	8/5/08	RT-PCR
Orange	Santa Ana	92707	American Crow	8/7/08	8/8/08	RT-PCR
Orange	SANTA ANA	92706	American Crow	7/29/08	8/1/08	RT-PCR
Orange	Tustin	92780	American Crow	8/1/08	8/1/08	RT-PCR
Orange	Tustin	92780	American Crow	8/7/08	8/8/08	RT-PCR
Orange	Tustin	92705	American Crow	8/5/08	8/8/08	RT-PCR
Orange	WESTMINSTER	92683	American Crow	8/5/08	8/1/08	RT-PCR

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Orange	Yorba Linda	92886	American Crow	8/5/08	8/7/08	RT-PCR
Orange	Yorba Linda	92886	American Crow	8/5/08	8/8/08	RT-PCR
Orange	Yorba Linda	92886	House Wren	8/1/08	7/27/08	RT-PCR
Placer	Colfax	95713	Black-headed Grosbeak	7/30/08	8/11/08	RT-PCR
Riverside	Corona	92880	American Crow	8/4/08	8/11/08	RT-PCR
Riverside	Riverside	92508	American Crow	7/31/08	8/11/08	RT-PCR
Sacramento	Citrus Heights	95621	Western Scrub-Jay	7/31/08	8/11/08	RT-PCR
Sacramento	Citrus Heights	95610	American Crow	8/5/08	8/11/08	RT-PCR
Sacramento	Citrus Heights	95610	American Crow	8/5/08	8/11/08	RT-PCR
Sacramento	Rio Linda	95673	House Finch	8/1/08	8/11/08	RT-PCR
Sacramento	Sacramento	95838	American Crow	8/4/08	8/11/08	RT-PCR
Sacramento	Sacramento	95819	American Crow	8/6/08	8/11/08	RT-PCR
San Bernardino	Alta Loma	91701	American Crow	8/8/08	8/8/08	RAMP
San Bernardino	Big Bear Lake	92315	House Sparrow	7/22/08	8/11/08	RT-PCR
San Bernardino	Chino	91710	Sparrow	7/31/08	8/11/08	RT-PCR
San Bernardino	Chino	91710	American Crow	8/6/08	8/6/08	RAMP
San Bernardino	Chino	91710	American Crow	8/6/08	8/6/08	RAMP
San Bernardino	Chino	91710	American Crow	8/11/08	8/11/08	RAMP
San Bernardino	Chino Hills	91709	American Crow	8/8/08	8/8/08	RAMP
San Bernardino	Ontario	91761	American Crow	8/11/08	8/11/08	RAMP
San Bernardino	Rancho Cucamonga	91730	American Crow	8/6/08	8/6/08	RAMP
San Bernardino	Rancho Cucamonga	91730	American Crow	8/6/08	8/6/08	RAMP
San Bernardino	Rancho Cucamonga	91730	American Crow	8/6/08	8/6/08	RAMP
San Bernardino	Rancho Cucamonga	91737	American Crow	8/8/08	8/8/08	RAMP
San Bernardino	Rancho Cucamonga	91730	American Crow	8/8/08	8/8/08	RAMP
San Bernardino	Rancho Cucamonga	91730	American Crow	8/11/08	8/11/08	RAMP
San Bernardino	Rancho Cucamonga	91701	American Crow	8/12/08	8/12/08	RAMP
San Bernardino	Rialto	92377	Great Horned Owl	7/28/08	8/11/08	RT-PCR
San Bernardino	Upland	91784	American Crow	7/27/08	8/11/08	RT-PCR
San Diego	Alpine	91901	American Crow	8/7/08	8/7/08	RT-PCR
San Diego	Boulevard	91905	Red-shouldered Hawk	8/5/08	8/4/08	RT-PCR
San Diego	Carlsbad	92011	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	Carlsbad	92009	American Crow	8/7/08	8/7/08	RT-PCR
San Diego	Del Mar	92014	American Crow	8/6/08	8/7/08	RT-PCR
San Diego	Encinitas	92024	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	Encinitas	92024	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	Escondido	92025	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	Escondido	92027	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	Escondido	92025	Western Scrub-Jay	8/7/08	8/7/08	RT-PCR
San Diego	Oceanside	92056	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	Oceanside	92057	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	Oceanside	92054	American Crow	8/5/08	8/4/08	RT-PCR
San Diego	Oceanside	92054	American Crow	8/5/08	8/4/08	RT-PCR
San Diego	Oceanside	92057	American Crow	8/5/08	8/4/08	RT-PCR
San Diego	Oceanside	92054	American Crow	8/6/08	8/7/08	RT-PCR
San Diego	Oceanside	92056	American Crow	8/11/08	8/7/08	RT-PCR
San Diego	Ramona	92065	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	Ramona	92065	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	Ramona	92065	Western Scrub-Jay	8/5/08	8/4/08	RT-PCR
San Diego	Ramona	92065	American Crow	8/5/08	8/4/08	RT-PCR

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San Diego	Ramona	92065	American Crow	8/5/08	8/7/08	RT-PCR
San Diego	Ramona	92065	American Crow	8/6/08	8/7/08	RT-PCR
San Diego	Ramona	92065	American Crow	8/7/08	8/7/08	RT-PCR
San Diego	San Diego	92131	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	San Diego	92130	Red-shouldered Hawk	8/5/08	8/4/08	RT-PCR
San Diego	San Diego	92130	American Crow	8/5/08	8/4/08	RT-PCR
San Diego	San Diego	92111	American Crow	8/6/08	8/7/08	RT-PCR
San Diego	San Diego	92130	American Crow	8/7/08	8/7/08	RT-PCR
San Diego	Santee	92071	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	Santee	92071	American Crow	8/6/08	8/7/08	RT-PCR
San Diego	Solana Beach	92075	American Crow	8/4/08	8/4/08	RT-PCR
San Diego	Solana Beach	92075	American Crow	8/7/08	8/7/08	RT-PCR
San Diego	Vista	92084	American Crow	8/5/08	8/4/08	RT-PCR
San Diego	Vista	92084	American Crow	8/6/08	8/7/08	RT-PCR
San Joaquin	Lodi	95240	Yellow-billed Magpie	8/4/08	8/11/08	RT-PCR
San Joaquin	Stockton	95204	Western Scrub-Jay	8/1/08	8/11/08	RT-PCR
Tulare	Porterville	93257	Western Scrub-Jay	8/6/08	8/11/08	RT-PCR

Mosquito Pools

Site Code	Pool #	Species	# in Pool	Collected	Tested	City	County	Result
CNSL2028	434	Cx quinquefasciatus	50	8/6/2008	8/15/2008	Sanger	Fresno	WNV
COAV0033	1451	Cx tarsalis	20	8/5/2008	8/15/2008	Mecca	Riverside	WNV
COAV0037	1456	Cx tarsalis	36	8/5/2008	8/15/2008	Mecca	Riverside	WNV
COAV0131	1444	Cx tarsalis	50	8/5/2008	8/15/2008	Oasis	Riverside	WNV
COAV0131	1445	Cx tarsalis	39	8/5/2008	8/15/2008	Oasis	Riverside	WNV
DLTA7322	258	Cx quinquefasciatus	50	8/12/2008	8/14/2008	Kingsburg	Tulare	WNV
DLTA8434	243	Cx quinquefasciatus	47	8/12/2008	8/14/2008	Visalia	Tulare	WNV
DLTA9403	244	Cx quinquefasciatus	50	8/12/2008	8/14/2008	Visalia	Tulare	WNV
GRLA2078	941	Cx quinquefasciatus	19	8/7/2008	8/14/2008	Los Angeles	Los Angeles	WNV
GRLA2093	932	Cx quinquefasciatus	32	8/7/2008	8/14/2008	South Gate	Los Angeles	WNV
GRLA2097	928	Cx quinquefasciatus	33	8/7/2008	8/14/2008	La Mirada	Los Angeles	WNV
GRLA2100	943	Cx quinquefasciatus	27	8/7/2008	8/14/2008	Norwalk	Los Angeles	WNV
GRLA2101	944	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Norwalk	Los Angeles	WNV
GRLA2101	945	Cx quinquefasciatus	13	8/7/2008	8/14/2008	Norwalk	Los Angeles	WNV
GRLA2165	908	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Downey	Los Angeles	WNV
GRLA2165	909	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Downey	Los Angeles	WNV
GRLA2165	910	Cx quinquefasciatus	26	8/7/2008	8/14/2008	Downey	Los Angeles	WNV
GRLA2166	924	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Montebello	Los Angeles	WNV
GRLA2166	925	Cx quinquefasciatus	42	8/7/2008	8/14/2008	Montebello	Los Angeles	WNV
GRLA2182	914	Cx quinquefasciatus	27	8/7/2008	8/15/2008	Pico Rivera	Los Angeles	WNV
GRLA2182	927	Cx stigmatosoma	12	8/7/2008	8/14/2008	Pico Rivera	Los Angeles	WNV
GRLA2194	912	Cx quinquefasciatus	50	8/7/2008	8/14/2008	South El Monte	Los Angeles	WNV
GRLA2223	861	Cx quinquefasciatus	49	8/5/2008	8/14/2008	Rowland Heights	Los Angeles	WNV
GRLA2225	865	Cx quinquefasciatus	36	8/5/2008	8/14/2008	Rowland Heights	Los Angeles	WNV
GRLA2230	864	Cx quinquefasciatus	35	8/5/2008	8/15/2008	Rowland Heights	Los Angeles	WNV
GRLA2231	906	Cx quinquefasciatus	27	8/7/2008	8/14/2008	Downey	Los Angeles	WNV
GRLA2247	916	Cx quinquefasciatus	32	8/7/2008	8/14/2008	Pico Rivera	Los Angeles	WNV

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GRLA2247	917	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Pico Rivera	Los Angeles	WNV
GRLA2247	918	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Pico Rivera	Los Angeles	WNV
GRLA2247	919	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Pico Rivera	Los Angeles	WNV
GRLA2247	920	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Pico Rivera	Los Angeles	WNV
GRLA2247	921	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Pico Rivera	Los Angeles	WNV
GRLA2247	922	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Pico Rivera	Los Angeles	WNV
GRLA2247	923	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Pico Rivera	Los Angeles	WNV
GRLA2249	904	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Pico Rivera	Los Angeles	WNV
GRLA2249	905	Cx quinquefasciatus	15	8/7/2008	8/15/2008	Pico Rivera	Los Angeles	WNV
GRLA2268	902	Cx quinquefasciatus	33	8/7/2008	8/14/2008	Cerritos	Los Angeles	WNV
GRLA2270	897	Cx quinquefasciatus	21	8/7/2008	8/14/2008	Bellflower	Los Angeles	WNV
GRLA2274	899	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Lakewood	Los Angeles	WNV
GRLA2277	898	Cx quinquefasciatus	29	8/7/2008	8/14/2008	Long Beach	Los Angeles	WNV
GRLA2278	903	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Long Beach	Los Angeles	WNV
GRLA2278	907	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Long Beach	Los Angeles	WNV
GRLA2321	835	Cx quinquefasciatus	46	7/31/2008	8/13/2008	Carson	Los Angeles	WNV
GRLA2361	824	Cx stigmatosoma	46	7/29/2008	8/13/2008	Pico Rivera	Los Angeles	WNV
GRLA2361	867	Cx tarsalis	34	8/5/2008	8/15/2008	Pico Rivera	Los Angeles	WNV
GRLA2364	860	Cx quinquefasciatus	50	8/5/2008	8/14/2008	Pico Rivera	Los Angeles	WNV
GRLA2365	818	Cx quinquefasciatus	41	7/29/2008	8/13/2008	Pico Rivera	Los Angeles	WNV
GRLA2365	872	Cx quinquefasciatus	50	8/5/2008	8/14/2008	Pico Rivera	Los Angeles	WNV
GRLA2366	812	Cx quinquefasciatus	40	7/29/2008	8/13/2008	Pico Rivera	Los Angeles	WNV
GRLA2371	863	Cx quinquefasciatus	38	8/5/2008	8/14/2008	South El Monte	Los Angeles	WNV
GRLA2500	5616	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Los Angeles	Los Angeles	WNV
GRLA2500	5617	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Los Angeles	Los Angeles	WNV
GRLA2500	5618	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Los Angeles	Los Angeles	WNV
GRLA2501	5622	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Los Angeles	Los Angeles	WNV
GRLA2501	5623	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Los Angeles	Los Angeles	WNV
GRLA2501	5624	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Los Angeles	Los Angeles	WNV
GRLA2501	5625	Cx quinquefasciatus	44	8/7/2008	8/15/2008	Los Angeles	Los Angeles	WNV
GRLA2509	5628	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Los Angeles	Los Angeles	WNV
GRLA2512	5633	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Los Angeles	Los Angeles	WNV
GRLA2513	5636	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Los Angeles	Los Angeles	WNV
GRLA2635	5597	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2635	5598	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2635	5599	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2635	5600	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2635	5614	Cx quinquefasciatus	33	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2636	5592	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2636	5593	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2636	5594	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2636	5595	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2636	5612	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2636	5613	Cx quinquefasciatus	27	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2637	5590	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2637	5611	Cx quinquefasciatus	34	8/5/2008	8/15/2008	Van Nuys	Los Angeles	WNV
GRLA2648	5604	Cx quinquefasciatus	48	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2648	5610	Cx stigmatosoma	16	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2649	5572	Cx quinquefasciatus	39	8/5/2008	8/14/2008	Encino	Los Angeles	WNV
GRLA2650	5573	Cx quinquefasciatus	50	8/5/2008	8/14/2008	Encino	Los Angeles	WNV

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GRLA2650	5575	Cx quinquefasciatus	50	8/5/2008	8/14/2008	Encino	Los Angeles	WNV
GRLA2650	5576	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2650	5578	Cx quinquefasciatus	47	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2650	5579	Cx stigmatosoma	50	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2651	5580	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2651	5581	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2652	5584	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2655	5587	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2655	5589	Cx stigmatosoma	23	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2655	5607	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2655	5608	Cx quinquefasciatus	50	8/5/2008	8/15/2008	Encino	Los Angeles	WNV
GRLA2779	849	Cx quinquefasciatus	16	7/31/2008	8/13/2008	Norwalk	Los Angeles	WNV
GRLA2779	948	Cx quinquefasciatus	45	8/7/2008	8/14/2008	Norwalk	Los Angeles	WNV
GRLA2784	775	Cx quinquefasciatus	42	7/24/2008	8/13/2008	Bellflower	Los Angeles	WNV
GRLA2784	947	Cx quinquefasciatus	15	8/7/2008	8/14/2008	Bellflower	Los Angeles	WNV
GRLA2787	949	Cx quinquefasciatus	25	8/7/2008	8/14/2008	Lakewood	Los Angeles	WNV
GRLA2849	5663	Cx quinquefasciatus	32	8/7/2008	8/15/2008	Panorama City	Los Angeles	WNV
GRLA2889	933	Cx quinquefasciatus	45	8/7/2008	8/14/2008	Lakewood	Los Angeles	WNV
GRLA2889	934	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Lakewood	Los Angeles	WNV
GRLA2889	935	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Lakewood	Los Angeles	WNV
GRLA2890	938	Cx quinquefasciatus	43	8/7/2008	8/14/2008	Lakewood	Los Angeles	WNV
GRLA2892	929	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Hawaiian Gardens	Los Angeles	WNV
GRLA2892	930	Cx quinquefasciatus	15	8/7/2008	8/14/2008	Hawaiian Gardens	Los Angeles	WNV
GRLA2895	937	Cx quinquefasciatus	50	8/7/2008	8/14/2008	Carson	Los Angeles	WNV
GRLA2897	946	Cx quinquefasciatus	29	8/7/2008	8/14/2008	Long Beach	Los Angeles	WNV
GRLA2958	875	Cx quinquefasciatus	36	8/5/2008	8/14/2008	Long Beach	Los Angeles	WNV
GRLA3096	5651	Cx quinquefasciatus	50	8/7/2008	8/15/2008	Valencia	Los Angeles	WNV
LACW1009	155	Cx quinquefasciatus	28	8/5/2008	8/14/2008	Los Angeles	Los Angeles	WNV
LAKE1400	146	Cx tarsalis	50	8/12/2008	8/14/2008	Lakeport	Lake	WNV
ORCO33	942	Cx tarsalis	16	8/6/2008	8/6/2008	Westminster	Orange	WNV
ORCO33	945	Cx quinquefasciatus	7	8/7/2008	8/7/2008	Westminster	Orange	WNV
ORCO36	941	Cx quinquefasciatus	15	8/6/2008	8/6/2008	Cypress	Orange	WNV
ORCO52	943	Cx quinquefasciatus	50	8/6/2008	8/6/2008	Anaheim	Orange	WNV
ORCO52	944	Cx quinquefasciatus	43	8/6/2008	8/6/2008	Anaheim	Orange	WNV
ORCO52	954	Cx quinquefasciatus	50	8/7/2008	8/7/2008	Anaheim	Orange	WNV
ORCO52	955	Cx quinquefasciatus	50	8/7/2008	8/7/2008	Anaheim	Orange	WNV
ORCO52	956	Cx quinquefasciatus	43	8/7/2008	8/7/2008	Anaheim	Orange	WNV
ORCO52	957	Cx quinquefasciatus	15	8/7/2008	8/7/2008	Anaheim	Orange	WNV
PLCR0025	592	Cx tarsalis	50	8/7/2008	8/13/2008	Lincoln	Placer	WNV
PLCR0025	593	Cx tarsalis	50	8/7/2008	8/13/2008	Lincoln	Placer	WNV
PLCR0026	586	Cx tarsalis	44	8/7/2008	8/13/2008	Sheridan	Placer	WNV
PLCR0035	639	Cx tarsalis	50	8/12/2008	8/15/2008	Lincoln	Placer	WNV
PLCR0181	613	Cx tarsalis	49	8/7/2008	8/14/2008	Lincoln	Placer	WNV
PLCR0518	628	Cx tarsalis	50	8/12/2008	8/14/2008	Roseville	Placer	WNV
PLCR0519	624	Cx tarsalis	50	8/12/2008	8/14/2008	Roseville	Placer	WNV
PLCR0519	625	Cx pipiens	17	8/12/2008	8/14/2008	Roseville	Placer	WNV
RIVR0002	538	Cx tarsalis	50	8/13/2008	8/15/2008	Nuevo	Riverside	WNV
RIVR0002	546	Cx tarsalis	50	8/13/2008	8/15/2008	Nuevo	Riverside	WNV
RIVR0028	553	Cx tarsalis	9	8/13/2008	8/15/2008	Moreno Valley	Riverside	WNV
RIVR0028	554	Cx quinquefasciatus	36	8/13/2008	8/15/2008	Moreno Valley	Riverside	WNV

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RIVR0031	551	Cx tarsalis	50	8/13/2008	8/15/2008	Nuevo	Riverside	WNV
RIVR0051	417	Cx tarsalis	18	7/22/2008	8/13/2008	Moreno Valley	Riverside	WNV
SANB0007	178	Cx quinquefasciatus	12	7/30/2008	8/15/2008	Fontana	San Bernardino	WNV
SANB0026	173	Cx quinquefasciatus	41	7/30/2008	8/15/2008	San Bernardino	San Bernardino	WNV
SAND0058	96	Cx quinquefasciatus	35	8/8/2008	8/15/2008	Poway	San Diego	WNV
SAND0152	93	Cx quinquefasciatus	18	8/7/2008	8/15/2008	San Diego	San Diego	WNV
SAYO2113	5793	Cx tarsalis	50	8/12/2008	8/12/2008	Elverta	Sacramento	WNV
SAYO2113	5802	Cx tarsalis	17	8/12/2008	8/12/2008	Elverta	Sacramento	WNV
SAYO2211	5809	Cx tarsalis	50	8/12/2008	8/12/2008	Sacramento	Sacramento	WNV
SAYO2211	5810	Cx tarsalis	50	8/12/2008	8/12/2008	Sacramento	Sacramento	WNV
SAYO2211	5811	Cx tarsalis	25	8/12/2008	8/12/2008	Sacramento	Sacramento	WNV
SAYO2211	5814	Cx pipiens	50	8/12/2008	8/12/2008	Sacramento	Sacramento	WNV
SAYO4118	5769	Cx tarsalis	50	8/12/2008	8/12/2008	Elverta	Sacramento	WNV
SAYO4121	5618	Cx pipiens	27	8/8/2008	8/8/2008	Antelope	Sacramento	WNV
SAYO4122	5374	Cx pipiens	7	8/6/2008	8/6/2008	Citrus Heights	Sacramento	WNV
SAYO4122	5583	Cx pipiens	50	8/7/2008	8/7/2008	Citrus Heights	Sacramento	WNV
SAYO4122	5585	Cx tarsalis	50	8/7/2008	8/7/2008	Citrus Heights	Sacramento	WNV
SAYO4122	5586	Cx tarsalis	50	8/7/2008	8/7/2008	Citrus Heights	Sacramento	WNV
SAYO4123	5615	Cx tarsalis	12	8/8/2008	8/8/2008	Fair Oaks	Sacramento	WNV
SAYO4126	5442	Cx pipiens	4	8/6/2008	8/6/2008	Antelope	Sacramento	WNV
SAYO4161	5653	Cx pipiens	32	8/8/2008	8/8/2008	Sacramento	Sacramento	WNV
SAYO4177	5595	Cx tarsalis	22	8/8/2008	8/8/2008	Sacramento	Sacramento	WNV
SAYO4254	5878	Cx pipiens	18	8/12/2008	8/12/2008	Elk Grove	Sacramento	WNV
SAYO7000	5607	Cx pipiens	6	8/8/2008	8/8/2008	Elk Grove	Sacramento	WNV
SAYO7007	5787	Cx pipiens	22	8/12/2008	8/12/2008	Sacramento	Sacramento	WNV
SJCM8010	1109	Cx tarsalis	16	8/12/2008	8/12/2008	Ripon	San Joaquin	WNV
SJCM8027	1174	Cx pipiens	23	8/14/2008	8/14/2008	Holt	San Joaquin	WNV
SJCM8056	1150	Cx pipiens	50	8/14/2008	8/14/2008	Manteca	San Joaquin	WNV
SJCM8079	1154	Cx tarsalis	50	8/15/2008	8/15/2008	Manteca	San Joaquin	WNV
SJCM8079	1160	Cx pipiens	50	8/15/2008	8/15/2008	Manteca	San Joaquin	WNV
SJCM8083	1166	Cx pipiens	50	8/14/2008	8/14/2008	Escalon	San Joaquin	WNV
SJCM8083	1168	Cx pipiens	50	8/14/2008	8/14/2008	Escalon	San Joaquin	WNV
SJCM8083	1170	Cx pipiens	50	8/14/2008	8/14/2008	Escalon	San Joaquin	WNV
SJCM8083	1171	Cx pipiens	50	8/14/2008	8/14/2008	Escalon	San Joaquin	WNV
SJCM8097	1120	Cx pipiens	38	8/12/2008	8/12/2008	Banta	San Joaquin	WNV
SJCM8100	1128	Cx pipiens	24	8/12/2008	8/12/2008	Tracy	San Joaquin	WNV
SJCM8128	1117	Cx tarsalis	46	8/12/2008	8/12/2008	Tracy	San Joaquin	WNV
SJCM8154	1135	Cx tarsalis	20	8/13/2008	8/13/2008	Lathrop	San Joaquin	WNV
SUYA0044	219	Cx tarsalis	50	8/4/2008	8/13/2008	Pleasant Grove	Sutter	WNV
SUYA0044	239	Cx tarsalis	50	8/11/2008	8/14/2008	Pleasant Grove	Sutter	WNV
TRLK0308	1247	Cx tarsalis	50	8/11/2008	8/14/2008	Grayson	Stanislaus	WNV
TRLK0308	1248	Cx tarsalis	29	8/11/2008	8/14/2008	Grayson	Stanislaus	WNV
TRLK0310	1250	Cx tarsalis	50	8/11/2008	8/14/2008	Grayson	Stanislaus	WNV
TRLK0310	1251	Cx tarsalis	50	8/11/2008	8/14/2008	Grayson	Stanislaus	WNV
TRLK0310	1252	Cx tarsalis	50	8/11/2008	8/14/2008	Grayson	Stanislaus	WNV
TRLK0310	1254	Cx tarsalis	50	8/11/2008	8/14/2008	Grayson	Stanislaus	WNV
TRLK0310	1259	Cx pipiens	5	8/11/2008	8/14/2008	Grayson	Stanislaus	WNV
TRLK0525	1139	Cx pipiens	15	8/12/2008	8/15/2008	Hughson	Stanislaus	WNV
TRLK0536	1157	Cx pipiens	11	8/12/2008	8/15/2008	Turlock	Stanislaus	WNV
TRLK9756	1198	Cx tarsalis	1	8/11/2008	8/14/2008	Newman	Stanislaus	WNV

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TRLK9756	1240	Cx pipiens	50	8/11/2008	8/14/2008	Newman	Stanislaus	WNV
WVAL1008	792	Cx quinquefasciatus	50	8/12/2008	8/12/2008	Ontario	San Bernardino	WNV
WVAL2002	845	Cx tarsalis	33	8/13/2008	8/13/2008	Chino Hills	San Bernardino	WNV
WVAL2005	824	Cx tarsalis	50	8/13/2008	8/13/2008	Chino	San Bernardino	WNV
WVAL2006	831	Cx tarsalis	50	8/13/2008	8/13/2008	Chino	San Bernardino	WNV
WVAL2006	832	Cx tarsalis	50	8/13/2008	8/13/2008	Chino	San Bernardino	WNV
WVAL2006	833	Cx tarsalis	50	8/13/2008	8/13/2008	Chino	San Bernardino	WNV
WVAL2006	834	Cx tarsalis	50	8/13/2008	8/13/2008	Chino	San Bernardino	WNV
WVAL5002	811	Cx quinquefasciatus	28	8/12/2008	8/12/2008	Rancho Cucamonga	San Bernardino	WNV
WVAL5004	805	Cx quinquefasciatus	25	8/12/2008	8/12/2008	Rancho Cucamonga	San Bernardino	WNV
WVAL5007	815	Cx quinquefasciatus	17	8/12/2008	8/12/2008	Rancho Cucamonga	San Bernardino	WNV
WVAL6002	798	Cx quinquefasciatus	40	8/12/2008	8/12/2008	Ontario	San Bernardino	WNV
WVAL6002	799	Cx quinquefasciatus	41	8/12/2008	8/12/2008	Ontario	San Bernardino	WNV
WVAL6007	812	Cx quinquefasciatus	25	8/12/2008	8/12/2008	Ontario	San Bernardino	WNV
WVAL6007	813	Cx quinquefasciatus	25	8/12/2008	8/12/2008	Ontario	San Bernardino	WNV
WVAL6014	809	Cx quinquefasciatus	24	8/12/2008	8/12/2008	Fwy CA 60	San Bernardino	WNV
WVAL6014	810	Cx quinquefasciatus	25	8/12/2008	8/12/2008	Fwy CA 60	San Bernardino	WNV
WVAL7002	801	Cx quinquefasciatus	23	8/12/2008	8/12/2008	Montclair	San Bernardino	WNV

Sentinel Chickens

Agency Code	County	Nearest City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04
BUCO0001	Butte	Chico	8/4/2008	WNV	2114			
BUCO0001	Butte	Chico	7/21/2008	WNV	2115			
EAST1947	Stanislaus	Modesto	8/6/2008	WNV	2628	2630	2631	
NWST9401	Riverside	Corona	7/31/2008	WNV	1410	1413		
RIVR0002	Riverside	Nuevo	7/30/2008	WNV	1526			
SGVA0003	Los Angeles	San Gabriel	7/24/2008	WNV	1878			
SGVA0004	Los Angeles	Arcadia	7/24/2008	WNV	1885	1886	1887	1888

NATIONAL COMMENTS

As of August 12, 2008, 168 human cases had been reported nationwide this year in the following 25 states: Alabama (1), Arizona (5), Arkansas (4), California (55), Colorado (14), Connecticut (1), Idaho (8), Iowa (1), Louisiana (2), Minnesota (9), Mississippi (17), Missouri (3), Nebraska (2), Nevada (2), North Dakota (8), Ohio (1), Oklahoma (5), Pennsylvania (1), South Dakota (11), Tennessee (3), Texas (10), Utah (2), West Virginia (1), Wisconsin (1) and Wyoming (1). Of the 168 individuals, 73 (43%) had neuroinvasive illness. Two fatalities have been reported in Arizona and Mississippi. At this time last year, 444 human cases had been reported nationwide.

TEST PROTOCOLS

Humans:

Specimens are tested by local laboratories with an IgM or IgG immunofluorescent assay (IFA) and/or an IgM enzyme immunoassay (EIA). Specimens with inconclusive results are forwarded to the California Department of Public Health Viral and Rickettsial Disease Laboratory (VRDL) for further testing or confirmation by plaque reduction neutralization test (PRNT).

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*Human denominator data only includes specimens tested at VRDL and does not include additional negative specimens that are tested by local agencies only.

Horses:

Serum or brain tissue specimens from horses displaying neurological symptoms are submitted to the California Animal Health and Safety Laboratory (CAHFS) and tested by EIA and PRNT.

Dead Birds and Tree Squirrels:

All bird and tree squirrel species from all zip codes are currently being accepted for testing unless otherwise requested by a local agency. Additionally, doves, pigeons, and chickens are no longer be accepted for testing. Corvids that test positive via RAMP or VecTest are no longer confirmed. Dead birds and squirrels are necropsied at CAHFS laboratory at University of California, Davis. Oral swabs from American Crows and kidney tissue from all other dead birds and squirrels are forwarded to the UC Davis Center for Vectorborne Diseases (CVEC) for WNV testing using the singleplex RT-PCR Taqman assay and confirmed with a second primer set. The WNV Dead Bird Surveillance Coordinator, Erin Parker, can be reached directly at (510) 412-6254.

Sentinel Chickens:

Dried blood spot specimens from sentinel chickens are submitted to VBDS Laboratory and 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. Positive samples are confirmed by western-blot or PRNT.

Mosquito Pools:

Mosquito pools are submitted to CVEC and 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), California Department of Public Health, 850 Marina Bay Parkway, Richmond, CA 94804. Questions concerning this bulletin should be addressed to Stan Husted by phone (510) 412-6253, FAX (510) 412-6263, or email: stan.husted@cdph.ca.gov
