

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012



Human Cases

Fifteen new cases of West Nile virus (WNV) were reported this week from the following nine counties: Butte (3), Fresno (1), Kern (2), Merced (2), Orange (1), Placer (2), Sacramento (1), San Bernardino (1), and Stanislaus (2). As of August 30, 2012, a total of 56 human cases of West Nile virus (WNV) illness have been reported in 15 counties. Of the 56 cases, 33 (59%) had neuroinvasive illness. The median age of the 56 individuals is 54 years (range: 2-88 years); 34 (61%) are male. Dates of symptom onset for all cases ranged from May 23-August 13, 2012. Two WNV-related fatalities have been reported to date in Fresno (1) and Kern (1) counties. A total of 17 WNV-positive blood donors have been reported this year; 5 individuals developed symptoms and were reclassified as cases. At this time last year, 27 WNV cases had been reported from 10 counties.

National Comments: As of August 28, 2012, 1590 human cases of WNV had been reported nationwide in 42 states and the District of Columbia (DC). This is the highest number of cases reported through the last week of August since WNV was first detected in the United States in 1999. Almost half of all cases have been reported in Texas. Of the 1590 cases, 889 (56%) were classified as neuroinvasive disease, and 66 (4%) died.

Horses

One new equine case of WNV was reported this week: an unvaccinated yearling colt from Sacramento County with onset date of August 18. The horse was euthanized as a result of his illness. In 2012, 9 horses from 7 counties have tested positive for WNV. At this time last year, two equine cases of WNV from Kern and Los Angeles counties had been reported.

Dead Birds & Squirrels

A total of 100 WNV positive dead birds were reported this week from 22 counties: Alameda (1), Butte (5), Colusa (1), Contra Costa (7), Fresno (1), Glenn (2), Lake (2), Los Angeles (10), Merced (7), Orange (2), Placer (10), Sacramento (17), San Bernardino (4), San Joaquin (1), Santa Clara (1), Shasta (6), Stanislaus (3), Sutter (7), Tehama (2), Ventura (5), Yolo (5), and Yuba (1). This is the first WNV positive dead bird reported from Lake County. In addition, one WNV positive tree squirrel from Alameda County was reported this week, and an additional 15 dead birds, four tree squirrels, and one rabbit tested positive for chronic WNV infection. In 2012, 954 dead birds and 3 tree squirrels have tested positive for recent WNV infection from 30 and 3 counties, respectively. At this time last year, 302 dead birds from 17 counties and one tree squirrel from one county had tested positive for WNV.

Mosquito Pools

A total of 261 WNV positive mosquito pools were reported this week from 20 counties: Contra Costa (3), Fresno (12), Kern (42), Kings (16), Lake (3), Los Angeles (31), Madera (1), Merced (1), Orange (3), Placer (8), Riverside (13), Sacramento (24), San Bernardino (6), San Joaquin (25), Santa Clara (1), Shasta (4), Stanislaus (23), Tulare (16), Yolo (27), and Yuba (2). In 2012, 1,890 mosquito pools from 28 counties have tested positive for WNV. At this time last year, 1,261 mosquito pools had tested positive for WNV from 21 counties.

Sentinel Chickens

A total of 49 WNV seroconversions were reported this week from 25 flocks in 6 counties: Butte (1), Imperial (5), Kern (2), Los Angeles (21), Riverside (14), and San Bernardino (6). In 2012, 217 WNV antibody-positive chickens have been detected among 64 flocks in 16 counties. At this time last year, 99 WNV positive chickens had been detected from 8 counties.

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

2011 & 2012 YTD West Nile Virus Comparisons		
	2011	2012
Total # Dead Bird Reports	6,971	13,502
# Positive Counties	26	34
# Human Cases	27	56
# Horse Cases	2	9
# Positive Dead Birds / # Tested	302 / 1,631	954 / 2,780
# Positive Mosquito Pools / # Tested	1,261 / 22,565	1,890 / 22,633
# Seroconversions / # Tested	99 / 14,910	217 / 17,183
# Positive Squirrels / # Tested	1 / 60	3 / 89

YTD WNV Activity by Element and County, 2012						
County	Humans	Horses	Dead Birds*	Mosquito Pools	Sentinel Chickens	Squirrels
Alameda			2			1
Butte	4		15	16	19	
Colusa			5		1	
Contra Costa			30	14	3	
El Dorado			3			
Fresno	7	2	15	114		
Glenn		1	15	4	1	
Imperial				3	7	
Kern	9		13	384	29	
Kings				52		
La ke			2	12		
Los Angeles	4		64	110	45	1
Madera				9		
Merced	3	1	25	2		
Napa				1		
Orange	2		12	27		
Placer	3		40	109	4	
Riverside	1		2	107	35	
Sacramento	3	1	423	407	17	
San Bernardino	2		14	35	21	
San Joaquin	2	2	43	101		
San Mateo			2			
Santa Clara			15	2		1
Santa Cruz			1			
Shasta			9	10		
Solano			17	3		
Sonoma			2	2		
Stanislaus	12	1	31	116	4	
Sutter	1		12	18	16	
Tehama			4			
Tulare	2		42	105	5	
Ventura	1		19	2		
Yolo		1	71	112	2	
Yuba			6	13	8	
Totals	56	9	954	1,890	217	3

**Total does not include chronic infections*

TESTING SUMMARIES

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

Humans and Horses

		WNV		WEEV		SLEV	
		Local	Imported	Local	Imported	Local	Imported
Human Cases	Week	15	0	0	0	0	0
	YTD	56	0	0	0	0	0
Horse Cases	Week	1	0	0	0	0	0
	YTD	9	0	0	0	0	0

Dead Birds & Squirrels

		Number Tested	WNV Positive (recent only)
Dead Birds	Week	184	100
	YTD	2,780	954
Tree Squirrels	Week	8	1
	YTD	89	3

Chickens & Mosquitoes

		Number Tested	WNV Positive	SLEV Positive	WEEV Positive
Chicken Sera	Week	731	49	0	0
	YTD	17,183	217	0	0
Mosquito Pools	Week	1,690	261	0	0
	YTD	22,633	1,890	0	0

POSITIVES: WEEK 35

Humans

WNV Cases							
ID	Report Date	County	Age	Sex	Clin Pres	Onset Date	WNV Fatality?
12-0042	08/23/12	Kern	42	M	WNF	07/16/12	NO
12-0043	08/23/12	Stanislaus	49	M	WNF	08/03/12	NO
12-0044	08/24/12	Sacramento	76	M	WNND	07/30/12	NO
12-0045	08/27/12	Orange	20	F	WNF	Week 32	NO
12-0046	08/27/12	Fresno	70	M	WNND	07/11/12	NO
12-0047	08/28/12	Stanislaus	47	F	WNF	08/01/12	NO
12-0048	08/28/12	Merced	>18	F	WNF	08/10/12	NO
12-0049	08/29/12	Merced	>18	M	WNND	08/09/12	NO
12-0050	08/29/12	Butte	>18	M	WNND	08/10/12	NO
12-0051	08/29/12	Butte	>18	M	WNF	08/02/12	NO
12-0052	08/29/12	Butte	>18	F	WNND	08/03/12	NO
12-0053	08/29/12	Placer	<18	M	WNND	08/13/12	NO
12-0054	08/29/12	Placer	>18	M	WNND	08/06/12	NO
12-0055	08/29/12	San Bernardino	77	M	WNND	08/07/12	NO
12-0056	08/29/12	Kern	68	M	WNND	08/06/12	NO

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

Presumptive Viremic Blood Donors (Asymptomatic Infections)							
ID	Report Date	County	Age	Sex			
BD12-0013	08/24/12	San Bernardino	19	F			
BD12-0014	08/27/12	Orange	52	M			

Dead Birds & Squirrels

County	Agency	City	Zip	Species	Reported	Virus	Type of Infection	Method
Alameda	Alameda MAD	Livermore	94551	American Crow	8/16/2012	WNV	Recent	RT-PCR
Alameda	Alameda MAD	Livermore	94551	Fox Squirrel	8/19/2012	WNV	Recent	RT-PCR
Alameda	Alameda MAD	Pleasanton	94566	American Crow	8/22/2012	WNV	Chronic	RT-PCR
Alameda	Alameda MAD	Dublin	94568	Fox Squirrel	8/17/2012	WNV	Chronic	RT-PCR
Alameda	Alameda MAD	Dublin	94568	Fox Squirrel	8/17/2012	WNV	Chronic	RT-PCR
Butte	Butte MVCD	Chico	95926	American Crow	8/14/2012	WNV	Recent	RT-PCR
Butte	Butte MVCD	Chico	95926	American Crow	8/20/2012	WNV	Recent	RT-PCR
Butte	Butte MVCD	Chico	95928	Lesser Goldfinch	8/21/2012	WNV	Chronic	RT-PCR
Butte	Butte MVCD	Chico	95928	Western Scrub-Jay	8/20/2012	WNV	Recent	RT-PCR
Butte	Butte MVCD	Chico	95928	Western Scrub-Jay	8/19/2012	WNV	Recent	RT-PCR
Butte	Butte MVCD	Paradise	95969	Lesser Goldfinch	8/16/2012	WNV	Chronic	RT-PCR
Butte	Butte MVCD	Chico	95973	Western Scrub-Jay	8/16/2012	WNV	Recent	RT-PCR
Colusa	Colusa MAD	Colusa	95932	American Crow	8/20/2012	WNV	Recent	RT-PCR
Contra Costa	Contra Costa MVCD	Discovery Bay	94505	American Crow	8/26/2012	WNV	Recent	RAMP
Contra Costa	Contra Costa MVCD	Brentwood	94513	American Crow	8/29/2012	WNV	Recent	RAMP
Contra Costa	Contra Costa MVCD	Brentwood	94513	American Crow	8/29/2012	WNV	Recent	RAMP
Contra Costa	Contra Costa MVCD	Clayton	94517	Western Scrub-Jay	8/28/2012	WNV	Recent	RAMP
Contra Costa	Contra Costa MVCD	Concord	94521	American Crow	8/28/2012	WNV	Recent	RAMP
Contra Costa	Contra Costa MVCD	Antioch	94531	American Crow	8/29/2012	WNV	Recent	RAMP
Contra Costa	Contra Costa MVCD	Walnut Creek	94597	American Crow	8/28/2012	WNV	Recent	RAMP
Fresno	Consolidated MAD	Fresno	93720	American Crow	8/9/2012	WNV	Chronic	RT-PCR
Fresno	Fresno MVCD	Fresno	93711	American Crow	8/15/2012	WNV	Recent	RT-PCR
Glenn	Glenn Co MVCD	Willows	95988	Yellow-billed Magpie	8/28/2012	WNV	Recent	VecTest
Glenn	Glenn Co MVCD	Willows	95988	American Crow	8/28/2012	WNV	Recent	VecTest
Lake	Lake Co VCD	Clearlake	95422	House Finch	8/16/2012	WNV	Recent	RT-PCR
Lake	Lake Co VCD	Hidden Valley Lake	95467	Western Scrub-Jay	8/17/2012	WNV	Recent	RT-PCR
Los Angeles	LA VCD - Sylmar	Chatsworth	91311	House Finch	8/21/2012	WNV	Recent	RT-PCR
Los Angeles	LA VCD - Sylmar	Reseda	91335	American Crow	8/15/2012	WNV	Recent	RT-PCR
Los Angeles	LA VCD - Sylmar	Granada Hills	91344	American Crow	8/21/2012	WNV	Recent	RT-PCR
Los Angeles	LA VCD - Sylmar	Van Nuys	91405	American Crow	8/21/2012	WNV	Recent	RT-PCR
Los Angeles	San Gabriel MVCD	Arcadia	91006	American Crow	8/8/2012	WNV	Recent	RT-PCR
Los Angeles	San Gabriel MVCD	El Monte	91732	American Crow	8/30/2012	WNV	Recent	RAMP
Los Angeles	San Gabriel MVCD	Glendora	91741	American Crow	8/24/2012	WNV	Recent	RAMP
Los Angeles	San Gabriel MVCD	Walnut	91789	American Crow	8/20/2012	WNV	Recent	RT-PCR
Los Angeles	San Gabriel MVCD	West Covina	91790	American Crow	8/30/2012	WNV	Recent	RAMP
Los Angeles	San Gabriel MVCD	Alhambra	91803	American Crow	8/24/2012	WNV	Recent	RAMP
Merced	Merced MAD	Dos Palos	93620	American Crow	8/20/2012	WNV	Recent	RT-PCR
Merced	Merced MAD	Atwater	95301	American Crow	8/20/2012	WNV	Recent	RT-PCR
Merced	Merced MAD	Merced	95340	Western Scrub-Jay	8/16/2012	WNV	Recent	RT-PCR
Merced	Merced MAD	Merced	95340	American Crow	8/22/2012	WNV	Recent	RT-PCR

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

Merced	Merced MAD	Merced	95340	Western Scrub-Jay	8/14/2012	WNV	Recent	RT-PCR
Merced	Merced MAD	Merced	95341	Yellow-billed Magpie	8/20/2012	WNV	Recent	RT-PCR
Merced	Merced MAD	Merced	95348	Western Scrub-Jay	8/14/2012	WNV	Recent	RT-PCR
Merced	Merced MAD	Winton	95388	Barn Owl	8/20/2012	WNV	Chronic	RT-PCR
Napa	CA DFG	Lake Berryessa		Western Gray Squirrel	6/7/2012	WNV	Chronic	RT-PCR
Orange	Orange VCD	La Habra	90631	House Sparrow	8/21/2012	WNV	Chronic	RT-PCR
Orange	Orange VCD	Anaheim	92804	American Crow	8/23/2012	WNV	Recent	RT-PCR
Orange	Orange VCD	Anaheim	92805	American Crow	8/20/2012	WNV	Chronic	RT-PCR
Orange	Orange VCD	Fullerton	92835	American Crow	8/16/2012	WNV	Recent	RT-PCR
Placer	Placer MVCD	Elverta	95626	American Crow	8/24/2012	WNV	Recent	RT-PCR
Placer	Placer MVCD	Lincoln	95648	Sparrow	8/17/2012	WNV	Recent	RT-PCR
Placer	Placer MVCD	Roseville	95661	Lesser Goldfinch	2/16/2012	WNV	Chronic	RT-PCR
Placer	Placer MVCD	Roseville	95661	American Crow	8/23/2012	WNV	Recent	RT-PCR
Placer	Placer MVCD	Rocklin	95677	Western Scrub-Jay	8/28/2012	WNV	Recent	RT-PCR
Placer	Placer MVCD	Roseville	95678	Western Scrub-Jay	8/24/2012	WNV	Recent	RT-PCR
Placer	Placer MVCD	Roseville	95678	Western Scrub-Jay	8/24/2012	WNV	Recent	RT-PCR
Placer	Placer MVCD	Roseville	95678	Egret	8/27/2012	WNV	Recent	RT-PCR
Placer	Placer MVCD	Granite Bay	95746	Western Scrub-Jay	8/29/2012	WNV	Recent	RT-PCR
Placer	Placer MVCD	Roseville	95747	House Finch	8/19/2012	WNV	Recent	RT-PCR
Placer	Placer MVCD	Rocklin	95765	Mourning Dove	8/27/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Citrus Heights	95610	Western Scrub-Jay	8/22/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Citrus Heights	95610	American Crow	8/23/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Citrus Heights	95610	Western Scrub-Jay	8/24/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Citrus Heights	95621	American Crow	8/26/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Fair Oaks	95628	Western Scrub-Jay	8/14/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Fair Oaks	95628	American Crow	8/23/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Folsom	95630	California Towhee	8/15/2012	WNV	Chronic	RT-PCR
Sacramento	Sac-Yolo MVCD	Folsom	95630	Cooper's Hawk	8/25/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	galt	95632	Yellow-billed Magpie	8/23/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Galt	95632	Western Scrub-Jay	8/23/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Galt	95632	American Goldfinch	8/25/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Gold River	95670	American Crow	8/25/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Rancho Cordova	95670	Western Scrub-Jay	8/25/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Rancho Murieta	95683	Western Scrub-Jay	8/27/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Rancho Murieta	95683	Western Scrub-Jay	8/24/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Sacramento	95827	American Crow	8/22/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Sacramento	95827	Western Scrub-Jay	8/22/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Sacramento	95827	Yellow-billed Magpie	8/24/2012	WNV	Recent	RT-PCR
Sacramento	Sac-Yolo MVCD	Sacramento	95835	American Robin	8/14/2012	WNV	Chronic	RT-PCR
San Bernardino	W Valley MVCD	Alta Loma	91701	American Crow	8/15/2012	WNV	Recent	RT-PCR
San Bernardino	W Valley MVCD	Chino	91710	American Crow	8/16/2012	WNV	Recent	RT-PCR
San Bernardino	W Valley MVCD	Chino	91710	American Crow	8/20/2012	WNV	Recent	RT-PCR
San Bernardino	W Valley MVCD	Chino	91710	American Crow	8/20/2012	WNV	Recent	RT-PCR
San Francisco	Presidio Trust	San Francisco	94129	Red-shouldered Hawk	8/22/2012	WNV	Chronic	RT-PCR
San Joaquin	San Joaquin MVCD	Escalon	95320	Yellow-billed Magpie	8/17/2012	WNV	Recent	RT-PCR

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

San Joaquin	San Joaquin MVCD	Lathrop	95330	American Crow	8/8/2012	WNV	Chronic	RT-PCR
San Mateo	San Mateo Co MAD	San Mateo	94402	American Crow	8/22/2012	WNV	Chronic	RT-PCR
Santa Clara	Santa Clara VCD	San Jose	95123	American Crow	8/29/2012	WNV	Recent	VecTest
Santa Cruz	Santa Cruz MVCD	Capitola	95010	Western Scrub-Jay	8/16/2012	WNV	Chronic	RT-PCR
Shasta	Shasta MVCD	Redding	96001	American Crow	8/24/2012	WNV	Recent	RAMP
Shasta	Shasta MVCD	Redding	96003	Western Scrub-Jay	8/22/2012	WNV	Recent	RT-PCR
Shasta	Shasta MVCD	Redding	96003	Western Scrub-Jay	8/27/2012	WNV	Recent	RAMP
Shasta	Shasta MVCD	Anderson	96007	American Robin	8/16/2012	WNV	Recent	RT-PCR
Shasta	Shasta MVCD	Cottonwood	96022	House Finch	8/16/2012	WNV	Recent	RT-PCR
Shasta	Shasta MVCD	Cottonwood	96022	Western Scrub-Jay	8/27/2012	WNV	Recent	RAMP
Sonoma	Marin-Sonoma	Santa Rosa	95404	Western Gray Squirrel	8/20/2012	WNV	Chronic	RT-PCR
Stanislaus	East Side MAD	Oakdale	95361	Western Scrub-Jay	8/21/2012	WNV	Recent	RT-PCR
Stanislaus	Turlock MAD	Hughson	95326	Yellow-billed Magpie	8/16/2012	WNV	Recent	RT-PCR
Stanislaus	Turlock MAD	Turlock	95382	Yellow-billed Magpie	8/20/2012	WNV	Recent	RT-PCR
Sutter	Sutter-Yuba MVCD	Live Oak	95953	House Finch	8/18/2012	WNV	Recent	RT-PCR
Sutter	Sutter-Yuba MVCD	Live Oak	95953	Western Scrub-Jay	8/21/2012	WNV	Recent	RT-PCR
Sutter	Sutter-Yuba MVCD	Sutter	95982	Western Scrub-Jay	8/20/2012	WNV	Recent	RT-PCR
Sutter	Sutter-Yuba MVCD	Sutter	95982	American Crow	8/20/2012	WNV	Recent	RT-PCR
Sutter	Sutter-Yuba MVCD	Yuba City	95991	American Crow	8/21/2012	WNV	Recent	RT-PCR
Sutter	Sutter-Yuba MVCD	Yuba City	95991	Western Scrub-Jay	8/15/2012	WNV	Recent	RT-PCR
Sutter	Sutter-Yuba MVCD	Yuba City	95991	Western Scrub-Jay	8/20/2012	WNV	Recent	RT-PCR
Tehama	Tehama Co MVCD	Cottonwood	96022	Western Scrub-Jay	8/16/2012	WNV	Recent	RT-PCR
Tehama	Tehama Co MVCD	Red Bluff	96080	American Crow	8/15/2012	WNV	Recent	RT-PCR
Ventura	Ventura EHD	Simi Valley	93063	House Sparrow	8/15/2012	WNV	Recent	RT-PCR
Ventura	Ventura EHD	Simi Valley	93063	American Crow	8/20/2012	WNV	Recent	RT-PCR
Ventura	Ventura EHD	Simi Valley	93065	American Crow	8/17/2012	WNV	Recent	RT-PCR
Ventura	Ventura EHD	Simi Valley	93065	American Crow	8/20/2012	WNV	Recent	RT-PCR
Ventura	Ventura EHD	Simi Valley	93065	American Crow	8/20/2012	WNV	Recent	RT-PCR
Yolo	Sac-Yolo MVCD	Davis	95616	Western Scrub-Jay	8/23/2012	WNV	Recent	RT-PCR
Yolo	Sac-Yolo MVCD	Davis	95616	American Crow	8/25/2012	WNV	Recent	RT-PCR
Yolo	Sac-Yolo MVCD	Davis	95618	Western Scrub-Jay	8/25/2012	WNV	Recent	RT-PCR
Yolo	Sac-Yolo MVCD	Woodland	95695	Barn Swallow	8/22/2012	WNV	Recent	RT-PCR
Yolo	Sac-Yolo MVCD	Woodland	95695	Western Scrub-Jay	8/25/2012	WNV	Recent	RT-PCR
Yuba	Sutter-Yuba	Olivehurst	95961	Cottontail Rabbit	8/16/2012	WNV	Chronic	RT-PCR
Yuba	Sutter-Yuba MVCD	Marysville	95901	Western Scrub-Jay	8/15/2012	WNV	Chronic	RT-PCR
Yuba	Sutter-Yuba MVCD	Olivehurst	95961	Western Bluebird	8/15/2012	WNV	Recent	RT-PCR

Mosquito Pools

County	Site Code	Pool #	City	Species	# in Pool	Trap Type	Collected	Virus	Method
Contra Costa	CNTR4675	334	Discovery Bay	Cx. tarsalis	10	CO2	8/29/12	WNV	RAMP
Contra Costa	CNTR661	320	Byron	Cx. tarsalis	14	CO2	8/27/12	WNV	RTPCR
Contra Costa	CNTR8142	330	Knightsen	Cx. tarsalis	16	CO2	8/29/12	WNV	RAMP
Fresno	CNSL1385	480	Fresno	Cx. quinquefasciatus	20	GRVD	8/28/12	WNV	RTPCR
Fresno	CNSL3171	691	Orange Cove	Cx. tarsalis	50	CO2	8/22/12	WNV	RTPCR
Fresno	CNSL4175	698	Selma	Cx. quinquefasciatus	50	CO2	8/24/12	WNV	RTPCR
Fresno	CNSL5032	696	Kingsburg	Cx. quinquefasciatus	50	GRVD	8/23/12	WNV	RTPCR
Fresno	CNSL5059	695	Kingsburg	Cx. quinquefasciatus	44	GRVD	8/23/12	WNV	RTPCR
Fresno	CNSL5086	697	Kingsburg	Cx. quinquefasciatus	31	GRVD	8/23/12	WNV	RTPCR
Fresno	FRWS100001	177	Dos Palos	Cx. tarsalis	50	CO2	8/23/12	WNV	RTPCR
Fresno	FRWS100006	184	Dos Palos	Cx. tarsalis	50	CO2	8/23/12	WNV	RTPCR

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

Fresno	FRWS100006	186	Dos Palos	Cx. tarsalis	50	CO2	8/23/12	WNV	RTPCR
Fresno	FRWS100006	187	Dos Palos	Cx. tarsalis	50	CO2	8/23/12	WNV	RTPCR
Fresno	FRWS1202	198	Dos Palos	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Fresno	FRWS220003	183	Firebaugh	Cx. quinquefasciatus	22	CO2	8/23/12	WNV	RTPCR
Kern	KERN1102	1767	Wasco	Cx. tarsalis	15	CO2	8/22/12	WNV	RTPCR
Kern	KERN1114	1746	Bakersfield	Cx. quinquefasciatus	50	CO2	8/22/12	WNV	RTPCR
Kern	KERN1114	1747	Bakersfield	Cx. quinquefasciatus	50	CO2	8/22/12	WNV	RTPCR
Kern	KERN1137	1803	Bakersfield	Cx. quinquefasciatus	50	CO2	8/23/12	WNV	RTPCR
Kern	KERN1137	1806	Bakersfield	Cx. tarsalis	50	CO2	8/23/12	WNV	RTPCR
Kern	KERN114	1749	Bakersfield	Cx. quinquefasciatus	25	CO2	8/22/12	WNV	RTPCR
Kern	KERN115	1676	Bakersfield	Cx. quinquefasciatus	50	CO2	8/20/12	WNV	RTPCR
Kern	KERN115	1677	Bakersfield	Cx. tarsalis	50	CO2	8/20/12	WNV	RTPCR
Kern	KERN115	1678	Bakersfield	Cx. tarsalis	50	CO2	8/20/12	WNV	RTPCR
Kern	KERN1156	1751	Arvin	Cx. quinquefasciatus	50	CO2	8/22/12	WNV	RTPCR
Kern	KERN1156	1752	Arvin	Cx. quinquefasciatus	50	CO2	8/22/12	WNV	RTPCR
Kern	KERN1156	1754	Arvin	Cx. tarsalis	43	CO2	8/22/12	WNV	RTPCR
Kern	KERN2002	1789	Bakersfield	Cx. quinquefasciatus	45	GRVD	8/23/12	WNV	RTPCR
Kern	KERN2005	1673	Bakersfield	Cx. quinquefasciatus	45	GRVD	8/20/12	WNV	RTPCR
Kern	KERN2007	1785	Bakersfield	Cx. quinquefasciatus	41	GRVD	8/23/12	WNV	RTPCR
Kern	KERN2010	1780	Bakersfield	Cx. quinquefasciatus	50	GRVD	8/23/12	WNV	RTPCR
Kern	KERN2014	1784	Bakersfield	Cx. quinquefasciatus	47	GRVD	8/23/12	WNV	RTPCR
Kern	KERN2020	1781	Bakersfield	Cx. quinquefasciatus	50	GRVD	8/23/12	WNV	RTPCR
Kern	KERN2020	1782	Bakersfield	Cx. quinquefasciatus	38	GRVD	8/23/12	WNV	RTPCR
Kern	KERN2027	1783	Bakersfield	Cx. quinquefasciatus	28	GRVD	8/23/12	WNV	RTPCR
Kern	KERN2028	1779	Bakersfield	Cx. quinquefasciatus	50	GRVD	8/23/12	WNV	RTPCR
Kern	KERN2031	1791	Bakersfield	Cx. quinquefasciatus	18	GRVD	8/23/12	WNV	RTPCR
Kern	KERN2033	1675	Bakersfield	Cx. quinquefasciatus	22	GRVD	8/20/12	WNV	RTPCR
Kern	KERN2040	1734	Arvin	Cx. quinquefasciatus	50	GRVD	8/22/12	WNV	RTPCR
Kern	KERN2043	1790	Bakersfield	Cx. quinquefasciatus	39	GRVD	8/23/12	WNV	RTPCR
Kern	KERN2049	1736	Lamont	Cx. quinquefasciatus	44	GRVD	8/22/12	WNV	RTPCR
Kern	KERN2051	1730	Bakersfield	Cx. quinquefasciatus	50	GRVD	8/22/12	WNV	RTPCR
Kern	KERN29	1740	Lamont	Cx. tarsalis	42	CO2	8/22/12	WNV	RTPCR
Kern	KERN3026	1692	Arvin93203	Cx. quinquefasciatus	50	CO2	8/20/12	WNV	RTPCR
Kern	KERN3027	1695	Arvin	Cx. tarsalis	38	CO2	8/20/12	WNV	RTPCR
Kern	KERN3029	1727	Buttonwillow	Cx. tarsalis	50	CO2	8/21/12	WNV	RTPCR
Kern	KERN3030	1762	Shafter	Cx. quinquefasciatus	50	CO2	8/22/12	WNV	RTPCR
Kern	KERN3031	1773	Shafter	Cx. quinquefasciatus	50	CO2	8/22/12	WNV	RTPCR
Kern	KERN3032	1702		Cx. quinquefasciatus	50	CO2	8/20/12	WNV	RTPCR
Kern	KERN3041	1800	Bakersfield	Cx. quinquefasciatus	19	CO2	8/23/12	WNV	RTPCR
Kern	KERN3041	1801	Bakersfield	Cx. tarsalis	50	CO2	8/23/12	WNV	RTPCR
Kern	KERN3041	1802	Bakersfield	Cx. tarsalis	50	CO2	8/23/12	WNV	RTPCR
Kern	KERN000033	1687	Arvin	Cx. quinquefasciatus	50	CO2	8/20/12	WNV	RTPCR
Kern	KERN000045	1699	Buttonwillow	Cx. quinquefasciatus	50	CO2	8/20/12	WNV	RTPCR
Kern	KERN000060	1713	Bakersfield	Cx. quinquefasciatus	50	CO2	8/20/12	WNV	RTPCR
Kern	KERN000060	1714	Bakersfield	Cx. tarsalis	50	CO2	8/20/12	WNV	RTPCR
Kern	KERN000060	1715	Bakersfield	Cx. tarsalis	50	CO2	8/20/12	WNV	RTPCR
Kings	KNGS003005	404	Lemoore NAS	Cx. tarsalis	50	CO2	8/27/12	WNV	RTPCR
Kings	KNGS003018	386	Lemoore	Cx. tarsalis	50	CO2	8/27/12	WNV	RTPCR
Kings	KNGS003018	388	Lemoore	Cx. tarsalis	50	CO2	8/27/12	WNV	RTPCR
Kings	KNGS003018	389	Lemoore	Cx. pipiens	50	CO2	8/27/12	WNV	RTPCR
Kings	KNGS003018	390	Lemoore	Cx. pipiens	50	CO2	8/27/12	WNV	RTPCR
Kings	KNGS003022	408	Hanford	Cx. pipiens	24	CO2	8/27/12	WNV	RTPCR
Kings	KNGS003030	399	Lemoore	Cx. tarsalis	49	CO2	8/27/12	WNV	RTPCR
Kings	KNGS003033	418	Hanford	Cx. pipiens	50	CO2	8/27/12	WNV	RTPCR

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

Kings	KNGS3034	429	Lemoore	Cx. pipiens	50	CO2	8/27/12	WNV	RTPCR
Kings	KNGS3039	433	Lemoore	Cx. tarsalis	33	CO2	8/27/12	WNV	RTPCR
Kings	KNGS3064	414	Hanford	Cx. tarsalis	25	CO2	8/27/12	WNV	RTPCR
Kings	KNGS3076	431	Hanford	Cx. tarsalis	37	CO2	8/27/12	WNV	RTPCR
Kings	KNGS3080	394	Lemoore	Cx. tarsalis	50	CO2	8/27/12	WNV	RTPCR
Kings	KNGS3080	395	Lemoore	Cx. tarsalis	50	CO2	8/27/12	WNV	RTPCR
Kings	KNGS3080	397	Lemoore	Cx. pipiens	13	CO2	8/27/12	WNV	RTPCR
Kings	KNGS4006	441	Hanford	Cx. pipiens	50	GRVD	8/27/12	WNV	RTPCR
Lake	LAKE1502	332	Kelseyville	Cx. tarsalis	43	CO2	8/29/12	WNV	RTPCR
Lake	LAKE000226	325	Lower Lake	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Lake	LAKE00094	323		Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Los Angeles	GRLA2097	886	La Mirada	Cx. quinquefasciatus	50	GRVD	8/21/12	WNV	RTPCR
Los Angeles	GRLA2097	887	La Mirada	Cx. quinquefasciatus	47	GRVD	8/21/12	WNV	RTPCR
Los Angeles	GRLA2196	890	South El Monte	Cx. quinquefasciatus	37	GRVD	8/21/12	WNV	RTPCR
Los Angeles	GRLA2221	891	Rowland Heights	Cx. quinquefasciatus	48	GRVD	8/21/12	WNV	RTPCR
Los Angeles	GRLA2222	880	Rowland Heights	Cx. quinquefasciatus	29	GRVD	8/21/12	WNV	RTPCR
Los Angeles	GRLA2247	893	Pico Rivera	Cx. quinquefasciatus	50	GRVD	8/21/12	WNV	RTPCR
Los Angeles	GRLA2247	894	Pico Rivera	Cx. quinquefasciatus	50	GRVD	8/21/12	WNV	RTPCR
Los Angeles	GRLA2268	911	Cerritos	Cx. quinquefasciatus	48	GRVD	8/23/12	WNV	RTPCR
Los Angeles	GRLA2416	5934	Panorama City	Cx. quinquefasciatus	29	GRVD	8/23/12	WNV	RTPCR
Los Angeles	GRLA2512	5927	Los Angeles	Cx. quinquefasciatus	34	GRVD	8/23/12	WNV	RTPCR
Los Angeles	GRLA2531	5921	Chatsworth	Cx. quinquefasciatus	50	GRVD	8/23/12	WNV	RTPCR
Los Angeles	GRLA2549	5915	Granada Hills	Cx. quinquefasciatus	26	GRVD	8/22/12	WNV	RTPCR
Los Angeles	GRLA2550	5916	Mission Hills	Cx. quinquefasciatus	50	GRVD	8/22/12	WNV	RTPCR
Los Angeles	GRLA2554	5936	Winnetka	Cx. quinquefasciatus	35	GRVD	8/23/12	WNV	RTPCR
Los Angeles	GRLA2592	5930	San Marino	Cx. quinquefasciatus	23	GRVD	8/23/12	WNV	RTPCR
Los Angeles	GRLA2655	5932	Encino	Cx. quinquefasciatus	50	GRVD	8/23/12	WNV	RTPCR
Los Angeles	GRLA2669	5920	Granada Hills	Cx. quinquefasciatus	38	GRVD	8/23/12	WNV	RTPCR
Los Angeles	GRLA2771	906	Whittier	Cx. quinquefasciatus	15	USDS	8/22/12	WNV	RTPCR
Los Angeles	GRLA2780	907	Pico Rivera	Cx. quinquefasciatus	47	USDS	8/22/12	WNV	RTPCR
Los Angeles	GRLA2866	5917	Studio City	Cx. quinquefasciatus	18	GRVD	8/22/12	WNV	RTPCR
Los Angeles	GRLA2936	5924	Burbank	Cx. quinquefasciatus	24	GRVD	8/23/12	WNV	RTPCR
Los Angeles	GRLA2953	903	Santa Fe Springs	Cx. quinquefasciatus	50	GRVD	8/22/12	WNV	RTPCR
Los Angeles	GRLA2955	883	Cerritos	Cx. quinquefasciatus	50	GRVD	8/21/12	WNV	RTPCR
Los Angeles	GRLA2956	900	Lakewood	Cx. quinquefasciatus	50	GRVD	8/22/12	WNV	RTPCR
Los Angeles	GRLA2962	5938	Chatsworth	Cx. quinquefasciatus	35	GRVD	8/23/12	WNV	RTPCR
Los Angeles	GRLA2995	5937	Woodland Hills	Cx. quinquefasciatus	37	GRVD	8/23/12	WNV	RTPCR
Los Angeles	GRLA3052	878	La Habra Heights	Cx. quinquefasciatus	50	GRVD	8/21/12	WNV	RTPCR
Los Angeles	GRLA3053	879	Hacienda Heights	Cx. quinquefasciatus	47	GRVD	8/21/12	WNV	RTPCR
Los Angeles	GRLA3102	5931	Studio City	Cx. quinquefasciatus	44	GRVD	8/23/12	WNV	RTPCR
Los Angeles	LACW1007	297	Baldwin Hills	Cx. quinquefasciatus	42	GRVD	8/23/12	WNV	RTPCR
Los Angeles	LACW1026	288	Beverly Hills	Cx. quinquefasciatus	29	GRVD	8/22/12	WNV	RTPCR
Madera	MADR000017	98		Cx. quinquefasciatus	11	CO2	8/21/12	WNV	RTPCR
Merced	MERC001221	91	Merced	Cx. tarsalis	8	CO2	8/22/12	WNV	RTPCR
Orange	ORCO000003	991	Garden Grove	Cx. quinquefasciatus	14	GRVD	8/23/12	WNV	RTPCR
Orange	ORCO000034	985	Brea	Cx. quinquefasciatus	41	GRVD	8/21/12	WNV	RTPCR
Orange	ORCO000052	987	Anaheim	Cx. quinquefasciatus	23	GRVD	8/21/12	WNV	RTPCR
Placer	PLCR001070	1494	Roseville	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Placer	PLCR001070	1495	Roseville	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Placer	PLCR001070	1579	Roseville	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Placer	PLCR000030	1534	Lincoln	Cx. tarsalis	23	CO2	8/28/12	WNV	RTPCR
Placer	PLCR000525	1515	Lincoln	Cx. pipiens	50	CO2	8/28/12	WNV	RTPCR
Placer	PLCR000525	1518	Lincoln	Cx. pipiens	36	CO2	8/28/12	WNV	RTPCR
Placer	PLCR000646	1575	Elverta	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

Placer	PLCR000646	1577	Elverta	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Riverside	COAV000130	2195	Mecca	Cx. tarsalis	10	CO2	8/23/12	WNV	RTPCR
Riverside	COAV000017	2261	Mecca	Cx. tarsalis	25	CO2	8/28/12	WNV	RTPCR
Riverside	COAV000200	2201	Mecca	Cx. tarsalis	12	CO2	8/23/12	WNV	RTPCR
Riverside	COAV000204	2203	Indio	Cx. tarsalis	40	CO2	8/23/12	WNV	RTPCR
Riverside	COAV000204	2205	Indio	Cx. tarsalis	32	CO2	8/23/12	WNV	RTPCR
Riverside	COAV000035	2217	Mecca	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Riverside	COAV000048	2234	Mecca	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Riverside	COAV000048	2235	Mecca	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Riverside	COAV000048	2237	Mecca	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Riverside	COAV000068	2227	Mecca	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Riverside	RIVR000013	341	Blythe	Cx. tarsalis	50	CO2	8/22/12	WNV	RTPCR
Riverside	RIVR000013	343	Blythe	Cx. tarsalis	30	CO2	8/22/12	WNV	RTPCR
Riverside	RIVR000080	377	Beaumont	Cx. tarsalis	50	CO2	8/29/12	WNV	RTPCR
Sacramento	SAYO201001	4679	Sacramento	Cx. tarsalis	23	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO201005	4664	Sacramento	Cx. tarsalis	50	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO202006	4675	Sacramento	Cx. pipiens	31	GRVD	8/24/12	WNV	RTPCR
Sacramento	SAYO204009	4696	Citrus Heights	Cx. tarsalis	2	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO204033	4689	Sacramento	Cx. pipiens	21	GRVD	8/24/12	WNV	RTPCR
Sacramento	SAYO204042	4695	Citrus Heights	Cx. pipiens	15	GRVD	8/24/12	WNV	RTPCR
Sacramento	SAYO206001	4750	Folsom	Cx. pipiens	17	GRVD	8/24/12	WNV	RTPCR
Sacramento	SAYO212032	4661	Sacramento	Cx. pipiens	12	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO212032	4662	Sacramento	Cx. pipiens	21	GRVD	8/24/12	WNV	RTPCR
Sacramento	SAYO213012	4691	Carmichael	Cx. pipiens	10	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO213017	4701	Sacramento	Cx. pipiens	16	GRVD	8/24/12	WNV	RTPCR
Sacramento	SAYO226008	4644	Rancho Murieta	Cx. pipiens	10	GRVD	8/23/12	WNV	RTPCR
Sacramento	SAYO232022	4725	Elk Grove	Cx. pipiens	10	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO232022	4727	Elk Grove	Cx. pipiens	25	GRVD	8/24/12	WNV	RTPCR
Sacramento	SAYO233004	4728	Elk Grove	Cx. tarsalis	37	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO233064	4762	Sacramento	Cx. pipiens	28	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO243016	4731	Elk Grove	Cx. tarsalis	31	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO254003	4706	Herald	Cx. tarsalis	34	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO254007	4716	Galt	Cx. tarsalis	5	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO254021	4702	Galt	Cx. tarsalis	50	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO254021	4703	Galt	Cx. tarsalis	10	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO261003	4769	Isleton	Cx. tarsalis	43	CO2	8/24/12	WNV	RTPCR
Sacramento	SAYO261013	4768	Isleton	Cx. pipiens	11	GRVD	8/24/12	WNV	RTPCR
Sacramento	SAYO271007	4771	Isleton	Cx. tarsalis	49	CO2	8/24/12	WNV	RTPCR
San Bernardino	SANB000012	379	Grand Terrace City Hall	Cx. stigmatosoma	16	CO2	8/22/12	WNV	RTPCR
San Bernardino	SANB000017	374	Fontana	Cx. tarsalis	50	CO2	8/22/12	WNV	RTPCR
San Bernardino	SANB000017	378	Fontana	Cx. stigmatosoma	50	CO2	8/22/12	WNV	RTPCR
San Bernardino	WVAL002018	380	Chino	Cx. quinquefasciatus	35	GRVD	8/28/12	WNV	RTPCR
San Bernardino	WVAL002021	390	Fwy CA 71	Cx. quinquefasciatus	6	GRVD	8/28/12	WNV	RTPCR
San Bernardino	WVAL006005	388	Ontario	Cx. quinquefasciatus	25	GRVD	8/28/12	WNV	RTPCR
San Joaquin	SJCM008018	800	Stockton	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM008020	804	Acampo	Cx. tarsalis	44	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM008020	805	Acampo	Cx. pipiens	50	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM008020	806	Acampo	Cx. pipiens	15	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM008026	807	Stockton	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM008026	808	Stockton	Cx. tarsalis	20	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM008027	838	McDonald Isl. bridge	Cx. pipiens	48	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM008056	824	Manteca	Cx. tarsalis	40	CO2	8/28/12	WNV	RTPCR

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

San Joaquin	SJCM8056	825	Manteca	Cx. tarsalis	19	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8056	826	Manteca	Cx. pipiens	50	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8056	827	Manteca	Cx. pipiens	50	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8056	828	Manteca	Cx. pipiens	44	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8056	829	Manteca	Cx. pipiens	11	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8070	863	Galt	Cx. tarsalis	24	CO2	8/30/12	WNV	RTPCR
San Joaquin	SJCM8097	816	Banta	Cx. pipiens	4	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8135	852	Mountain House	Cx. tarsalis	42	CO2	8/30/12	WNV	RTPCR
San Joaquin	SJCM8143	794	Stockton	Cx. erythrothorax	37	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8143	795	Stockton	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8143	796	Stockton	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8157	813	Manteca	Cx. pipiens	17	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8159	799	Stockton	Cx. pipiens	28	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8160	862	Lodi	Cx. tarsalis	30	CO2	8/30/12	WNV	RTPCR
San Joaquin	SJCM8161	788	Ripon	Cx. pipiens	50	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8161	791	Ripon	Cx. pipiens	50	CO2	8/28/12	WNV	RTPCR
San Joaquin	SJCM8191	855	Lodi	Cx. tarsalis	54	CO2	8/30/12	WNV	RTPCR
Santa Clara	STCL2617	4364	Mountain View	Cx. pipiens	15	CO2	8/29/12	WNV	RTPCR
Shasta	SHAS110	580		Cx. pipiens	50	CO2	8/23/12	WNV	RTPCR
Shasta	SHAS110	598		Cx. pipiens	27	CO2	8/28/12	WNV	RTPCR
Shasta	SHAS20030	609	Redding	Cx. tarsalis	14	CO2	8/29/12	WNV	RTPCR
Shasta	SHAS202	603	Anderson	Cx. tarsalis	18	CO2	8/29/12	WNV	RTPCR
Stanislaus	TRLK304	946	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK304	947	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK305	972	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK305	975	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK305	976	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK305	981	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK305	982	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK306	903	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK306	904	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK310	933	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK322	866	Modesto	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK322	869	Modesto	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK322	874	Modesto	Cx. pipiens	12	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK414	877	Modesto	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK9737	988	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK9737	989	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK9737	990	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK9737	993	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK9756	856	Newman	Cx. pipiens	14	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK9768	943	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK9768	944	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK9769	942	Grayson	Cx. tarsalis	22	CO2	8/28/12	WNV	RTPCR
Stanislaus	TRLK9772	892	Grayson	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Tulare	DLTA6407	354	Dinuba	Cx. quinquefasciatus	21	GRVD	8/28/12	WNV	RTPCR
Tulare	DLTA8324	358	Goshen	Cx. quinquefasciatus	50	CO2	8/29/12	WNV	RTPCR
Tulare	DLTA8324	359	Goshen	Cx. quinquefasciatus	50	CO2	8/29/12	WNV	RTPCR
Tulare	DLTA8324	360	Goshen	Cx. quinquefasciatus	50	CO2	8/29/12	WNV	RTPCR
Tulare	DLTA8324	361	Goshen	Cx. quinquefasciatus	50	CO2	8/29/12	WNV	RTPCR
Tulare	DLTA8324	362	Goshen	Cx. quinquefasciatus	50	CO2	8/29/12	WNV	RTPCR
Tulare	DLTA8324	363	Goshen	Cx. tarsalis	50	CO2	8/29/12	WNV	RTPCR
Tulare	DLTA8324	364	Goshen	Cx. tarsalis	37	CO2	8/29/12	WNV	RTPCR
Tulare	DLTA8324	367	Goshen	Cx. quinquefasciatus	50	CO2	8/29/12	WNV	RTPCR

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

Tulare	DLTA008505	312		Cx. quinquefasciatus	50	CO2	8/17/12	WNV	RTPCR
Tulare	DLTA008505	312		Cx. quinquefasciatus	50	CO2	8/17/2012		RTPCR
Tulare	DLTA009403	341	Visalia	Cx. quinquefasciatus	41	CO2	8/23/12	WNV	RTPCR
Tulare	TLRE000017	62	Tulare	Cx. pipiens	17	CO2	8/28/12	WNV	RTPCR
Tulare	TLRE000029	50	Tulare	Cx. tarsalis	21	CO2	8/28/12	WNV	RTPCR
Tulare	TLRE000068	55	Tulare	Cx. pipiens	50	CO2	8/28/12	WNV	RTPCR
Tulare	TLRE000072	61	Visalia	Cx. pipiens	21	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO103007	4910	Dunnigan	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO103007	4911	Dunnigan	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO114001	4922	Zamora	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO114001	4923	Zamora	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO114002	4917	Zamora	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO114002	4918	Zamora	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO114002	4919	Zamora	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO114002	4920	Zamora	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO123013	4902	Capay	Cx. tarsalis	9	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO124004	4801	Woodland	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO125011	4778	Woodland	Cx. tarsalis	15	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO125011	4781	Woodland	Cx. pipiens	6	GRVD	8/28/12	WNV	RTPCR
Yolo	SAYO125012	4777	Woodland	Cx. pipiens	8	GRVD	8/28/12	WNV	RTPCR
Yolo	SAYO125016	4834	Woodland	Cx. tarsalis	13	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO125023	4838	Woodland	Cx. tarsalis	40	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO125023	4839	Woodland	Cx. pipiens	2	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO125023	4840	Woodland	Cx. pipiens	1	GRVD	8/28/12	WNV	RTPCR
Yolo	SAYO135006	4828	Woodland	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO135006	4830	Woodland	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO135011	4805	Woodland	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO135011	4812	Woodland	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO145010	4857	Davis	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO145013	4881	Davis	Cx. pipiens	8	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO145016	4882	Davis	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO145016	4883	Davis	Cx. tarsalis	50	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO145016	4884	Davis	Cx. tarsalis	24	CO2	8/28/12	WNV	RTPCR
Yolo	SAYO145016	4885	Davis	Cx. pipiens	3	CO2	8/28/12	WNV	RTPCR
Yuba	SUYA000079	324	Marysville	Cx. tarsalis	50	CO2	8/27/12	WNV	RTPCR
Yuba	SUYA000079	326	Marysville	Cx. tarsalis	40	CO2	8/27/12	WNV	RTPCR

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

Sentinel Chickens

County	Site Code	City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04	Band 05
Butte	BUCO00002	Oroville	8/14/2012	WNV	1516				
Imperial	COAV005001	Niland	8/20/2012	WNV	3847	3848	3903	3906	3908
Kern	AFSB000107	Bakersfield	8/21/2012	WNV	2043				
Kern	DLNO000035		8/16/2012	WNV	1733				
Los Angeles	ANTV002667	Palmdale	8/22/2012	WNV	1244	1247			
Los Angeles	ANTV002877	Lancaster	8/22/2012	WNV	1236				
Los Angeles	ANTV003247	Lancaster	8/22/2012	WNV	1208				
Los Angeles	ANTV007947	Palmdale	8/22/2012	WNV	1260				
Los Angeles	ANTV008652	Palmdale	8/22/2012	WNV	1239	1242			
Los Angeles	ANTV008656	Lancaster	8/22/2012	WNV	1213	1214	1215		
Los Angeles	GRLA002223	Rowland Heights	8/21/2012	WNV	3556				
Los Angeles	LACW001005	El Segundo	8/23/2012	WNV	1076				
Los Angeles	LACW001007	Baldwin Hills	8/24/2012	WNV	1087				
Los Angeles	LACW001009	Los Angeles	8/14/2012	WNV	1096				
Los Angeles	SGVA000014	La Verne	8/23/2012	WNV	3672				
Los Angeles	SGVA000004	Arcadia	8/16/2012	WNV	3657	3658	3659	3660	
Los Angeles	SGVA000009	Walnut	8/16/2012	WNV	3682	3683			
Riverside	COAV000122	Mecca	8/20/2012	WNV	3876				
Riverside	COAV000200	Mecca	8/20/2012	WNV	3851	3854	3855	3859	
Riverside	COAV000201	Thermal	8/20/2012	WNV	3945	3947	3948		
Riverside	COAV000204	Indio	8/20/2012	WNV	3933	3934	3935	3937	
Riverside	COAV000060	North Shore	8/20/2012	WNV	3845	3889			
San Bernardino	SANB000001	Needles	8/21/2012	WNV	1311				
San Bernardino	SANB000011	Rialto	8/22/2012	WNV	1381	1386	1387	1388	
San Bernardino	WVAL000006	Ontario	8/22/2012	WNV	3785				

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.

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.

California Arbovirus Surveillance Bulletin #28

Week 35 Friday, August 31, 2012

Dead Birds and Tree Squirrels:

Dead birds and tree 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 West Nile virus testing using the singleplex RT-PCR Taqman assay and confirmed with a second primer set.

Sentinel Chickens:

Dried blood spot specimens from sentinel chickens are submitted to the California Department of Public Health Vector-Borne Disease Laboratory and tested for the presence of antibodies to West Nile, western equine encephalomyelitis (WEEV), and St. Louis encephalitis (SLEV) 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 WEEV, SLEV, 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 Tina Feiszli by phone (510) 412-6253 or email: tina.feiszli@cdph.ca.gov.

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.