

California Arbovirus Surveillance Bulletin #30

Week 37 Friday, September 12, 2014

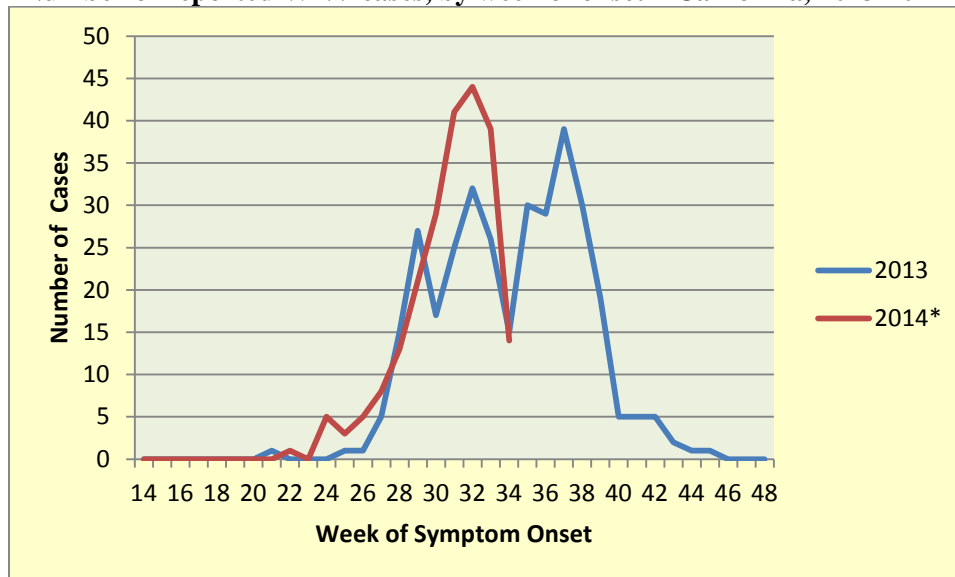


WEEKLY UPDATE

Humans

A total of 57 new cases of West Nile virus (WNV) disease were reported to the California Department of Public Health (CDPH) this week from the following 18 counties: Butte (4), Fresno (1), Glenn (2), Imperial (1), Kern (2), Kings (2), Lake (1), Los Angeles (6), Orange (24), Riverside (1), San Bernardino (2), San Diego (2), San Joaquin (1), Santa Clara (2), Stanislaus (3), Sutter (1), Tulare (1), and Yuba (1). **These are the first human cases reported from Kings, Lake, Riverside, and San Diego counties this year.** As of September 8, a total of 238 human cases of WNV disease have been reported from 26 counties. As of this date in 2013, 117 cases had been reported from 23 counties. Of the 238 case-patients, 156 (66%) had neuroinvasive illness. The median age of the 238 individuals is 57 years (range: 6-90 years); 162 (68%) are male. Dates of symptom onset for individuals where data are available range from May 27 to August 25. Nine WNV-related fatalities have been reported to CDPH from six counties: Glenn (1), Orange (2), Sacramento (1), Shasta (1), and Stanislaus (2), and Sutter (2). In addition, 36 asymptomatic WNV-positive blood donors have been reported this year from 14 counties: Butte (1), Contra Costa (1), Fresno (8), Kern (2), Kings (1), Los Angeles (3), Orange (9), San Diego (1), San Joaquin (2), Santa Clara (2), Stanislaus (3), Sutter (1), Tulare (1), and Yuba (1).

Number of reported WNV cases, by week of onset—California, 2013-2014*



*Reported to CDPH as of 9/8/14. Data incomplete due to reporting delays.

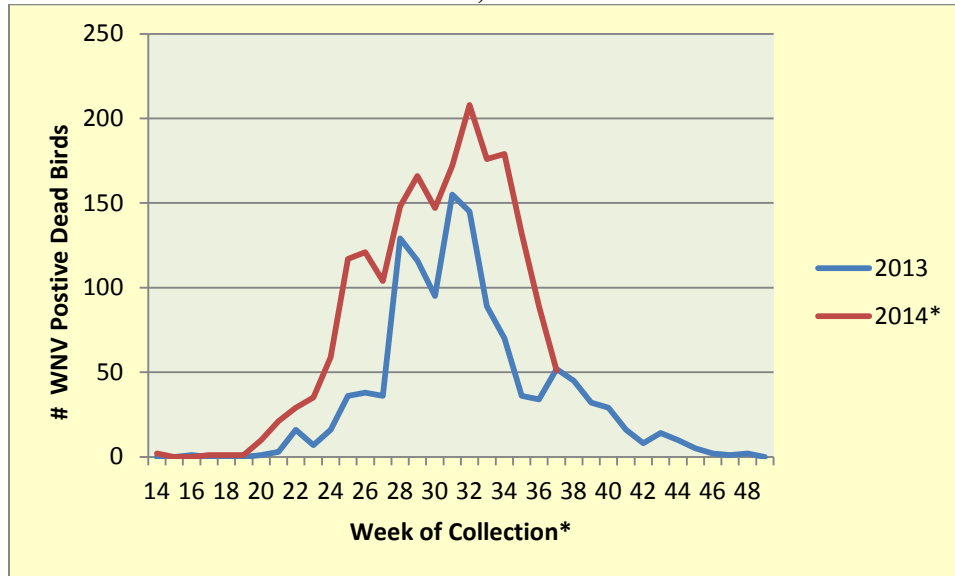
California Arbovirus Surveillance Bulletin #30

Week 37 Friday, September 12, 2014

Dead Birds

A total of 152 WNV positive dead birds were reported this week from the following 19 counties: Alameda (11), Contra Costa (2), El Dorado (2), Fresno (1), Los Angeles (10), Madera (1), Napa (3), Orange (50), Placer (11), Riverside (1), Sacramento (15), San Bernardino (1), San Joaquin (3), Santa Mateo (4), Santa Clara (20), Sonoma (2), Stanislaus (4), Ventura (2), and Yolo (9). **This is the first WNV positive dead bird from Riverside County this year.** In 2014, 1,979 dead birds have tested positive for WNV from 35 counties. At this time last year, 1,018 WNV positive dead birds had been detected in 38 counties.

Number of reported WNV positive dead birds, by week of collection--
California, 2013-2014*



*Reported to CDPH as of 9/12/14. Data incomplete due to reporting delays.

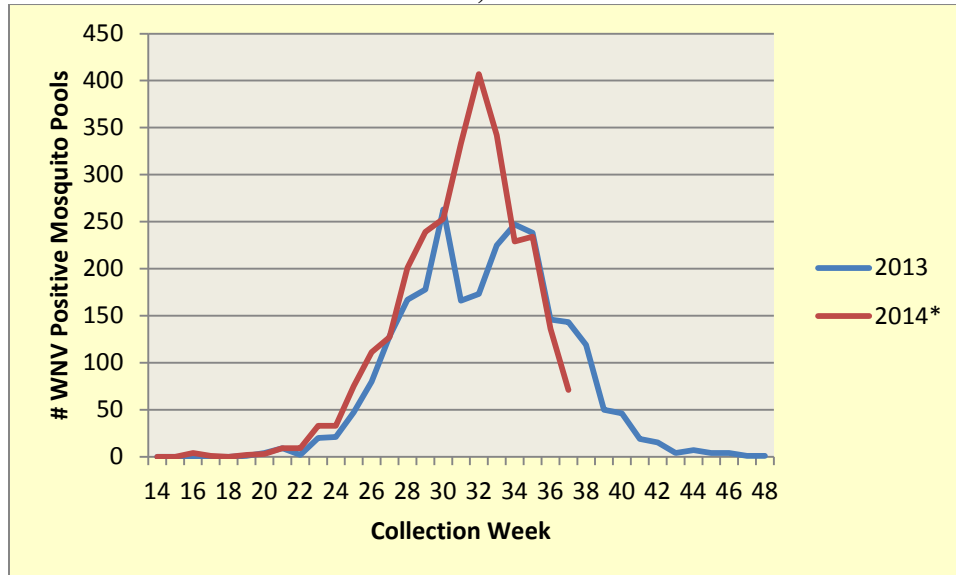
Mosquito Pools

A total of 193 WNV positive mosquito pools were reported this week from the following 20 counties: Butte (1), Contra Costa (1), Fresno (4), Kern (9), Kings (7), Lake (1), Los Angeles (24), Madera (4), Orange (42), Placer (2), Riverside (10), Sacramento (25), San Bernardino (3), San Joaquin (12), San Mateo (1), Shasta (1), Sonoma (1), Stanislaus (28), Tulare (2), and Yolo (15). In 2014, 2,853 mosquito pools from 29 counties have tested positive for WNV. At this time last year, 2,173 WNV positive mosquito pools had been reported from 27 counties.

California Arbovirus Surveillance Bulletin #30

Week 37 Friday, September 12, 2014

Number of reported WNV positive mosquito pools, by week of collection-- California, 2013-2014*

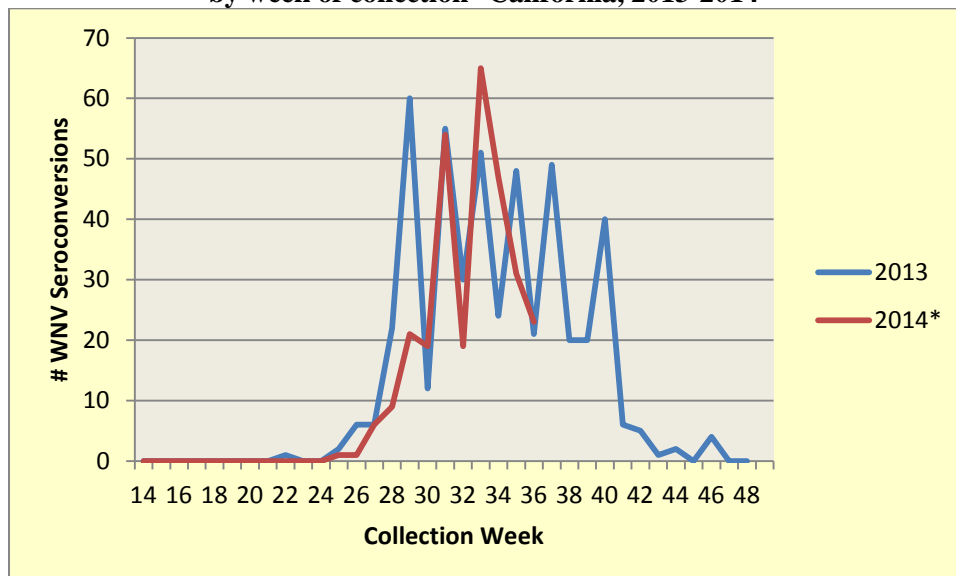


**Reported to CDPH as of 9/12/14. Data incomplete due to reporting delays.*

Sentinel Chickens

A total of 28 new WNV seroconversions were reported this week from 15 flocks located in the following 7 counties: Lake (2), Los Angeles (11), Riverside (4), San Bernardino (7), Santa Clara (1), Shasta (1), and Yolo (2). In 2014, 302 WNV positive chickens have been reported from 79 flocks located in 20 counties. At this time last year, 330 WNV seroconversions had been reported from 82 flocks in 23 counties.

Number of reported WNV sentinel chicken seroconversions, by week of collection--California, 2013-2014*



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California Arbovirus Surveillance Bulletin #30

Week 37 Friday, September 12, 2014

YTD Activity by Element and County, 2014				
County	Humans*	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda		84	16	
Butte	16	19	37	34
Colusa	2	4	1	6
Contra Costa	1	36	20	13
El Dorado		3		
Fresno	24	9	118	
Glenn	8	4	8	8
Humboldt		2		
Imperial	2			
Kern	5	3	99	
Kings	2	2	145	
Lake	1	15	68	4
Los Angeles	30	57	216	93
Madera	2	5	37	
Marin		3	3	
Merced		1	10	6
Napa		12		
Orange	85	278	358	
Placer	1	38	75	
Riverside	1	1	66	11
Sacramento	4	271	467	8
San Bernardino	4	12	82	23
San Diego	2	7		
San Joaquin	3	45	194	
San Mateo		13	13	
Santa Clara	6	821	29	3
Santa Cruz		1		
Shasta	1	5	33	8
Solano	1	32	11	19
Sonoma		17	6	1
Stanislaus	24	39	141	12
Sutter	2	19	51	26
Tehama	1			8
Tulare	7	38	310	4
Ventura		4		
Yolo		63	215	8
Yuba	3	16	24	7
Totals	238	1,979	2,853	302

**Total does not include asymptomatic infections*

California Arbovirus Surveillance Bulletin #30

Week 37 Friday, September 12, 2014

2013 & 2014 YTD West Nile Virus Comparisons		
	2013	2014
Total # Dead Bird Reports	12,281	11,703
# Positive Counties	40	37
# Human Cases	117	238
# Positive Dead Birds / # Tested	1,018 / 2,831	1,979 / 3,246
# Positive Mosquito Pools / # Tested	2,173 / 24,365	2,853 / 23,317
# Seroconversions / # Tested	330 / 12,940	302 / 11,482

TESTING SUMMARIES

Humans

		WNV		WEEV		SLEV	
		Local	Imported	Local	Imported	Local	Imported
Human Cases	Week	57	0	0	0	0	0
	YTD	238	0	0	0	0	0

Dead Birds

		Number Tested	WNV Positive
Dead Birds	Week	210	152
	YTD	3,246	1,979

Chickens & Mosquitoes

		Number Tested	WNV Positive	SLEV Positive	WEEV Positive
Chicken Sera	Week	503	28	0	0
	YTD	11,482	302	0	0
Mosquito Pools	Week	1,485	193	0	0
	YTD	23,317	2,853	0	0

NEW POSITIVES

Dead Birds

County	Agency	City	Zip	Species	Reported	Virus	Method
Alameda	Alameda Co MAD	Livermore	94550	American Crow	9/5/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	9/5/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	9/5/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	9/5/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	9/5/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	9/8/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94551	American Crow	9/7/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94551	American Crow	9/7/2014	WNV	RAMP
Alameda	Alameda Co MAD	Pleasanton	94566	American Crow	9/8/2014	WNV	RAMP
Alameda	Alameda Co MAD	Pleasanton	94566	American Crow	9/11/2014	WNV	RAMP

California Arbovirus Surveillance Bulletin #30

Week 37 Friday, September 12, 2014

Alameda	Alameda Co MAD	Pleasanton	94566	Western Scrub-Jay	9/9/2014	WNV	RAMP
Contra Costa	Contra Costa MVCD	Orinda	94563	Steller's Jay	9/8/2014	WNV	RAMP
Contra Costa	Contra Costa MVCD	San Ramon	94583	American Crow	9/8/2014	WNV	RAMP
El Dorado	El Dorado Co Env Management	Cool	95614	Western Scrub-Jay	8/27/2014	WNV	RT-PCR
El Dorado	El Dorado Co Env Management	El Dorado Hills	95762	Sparrow	8/26/2014	WNV	RT-PCR
Fresno	Fresno Westside MAD	Mendota	93640	American Crow	8/21/2014	WNV	RT-PCR
Los Angeles	Greater L.A. VCD - SFS	Cerritos	90703	American Crow	9/2/2014	WNV	RT-PCR
Los Angeles	Greater L.A. VCD - SFS	La Mirada	90639	American Crow	9/3/2014	WNV	RT-PCR
Los Angeles	Greater L.A. VCD - SFS	Lakewood	90712	Common Raven	9/2/2014	WNV	RT-PCR
Los Angeles	L.A. Co West VCD	Culver City	90232	American Crow	9/5/2014	WNV	RT-PCR
Los Angeles	L.A. Co West VCD	Los Angeles	90024	American Crow	9/8/2014	WNV	RT-PCR
Los Angeles	L.A. Co West VCD	Los Angeles	90034	American Crow	9/4/2014	WNV	RT-PCR
Los Angeles	L.A. Co West VCD	Marina Del Rey	90292	Western Scrub-Jay	9/8/2014	WNV	RT-PCR
Los Angeles	L.A. Co West VCD	Pacific Palisades	90272	American Crow	9/9/2014	WNV	RT-PCR
Los Angeles	L.A. Co West VCD	Santa Monica	90405	American Crow	9/2/2014	WNV	RT-PCR
Los Angeles	L.A. Co West VCD	Santa Monica	90405	American Crow	9/8/2014	WNV	RT-PCR
Madera	Madera Co MVCD	Chowchilla	93610	American Crow	8/28/2014	WNV	RT-PCR
Napa	Napa Co MAD	Napa	94558	American Crow	8/22/2014	WNV	RT-PCR
Napa	Napa Co MAD	Napa	94558	American Crow	8/26/2014	WNV	RT-PCR
Napa	Napa Co MAD	Napa	94559	Western Scrub-Jay	8/28/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92801	American Crow	8/29/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92804	American Crow	8/28/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92804	American Crow	8/28/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92804	American Crow	8/29/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92805	American Crow	9/4/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92805	American Crow	9/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92807	American Crow	9/9/2014	WNV	RT-PCR
Orange	Orange Co VCD	Buena Park	90620	American Crow	8/28/2014	WNV	RT-PCR
Orange	Orange Co VCD	Buena Park	90620	American Crow	8/29/2014	WNV	RT-PCR
Orange	Orange Co VCD	Costa Mesa	92626	American Crow	8/27/2014	WNV	RT-PCR
Orange	Orange Co VCD	Costa Mesa	92626	American Crow	8/29/2014	WNV	RT-PCR
Orange	Orange Co VCD	Costa Mesa	92626	American Crow	9/2/2014	WNV	RT-PCR
Orange	Orange Co VCD	Costa Mesa	92626	American Crow	9/3/2014	WNV	RT-PCR
Orange	Orange Co VCD	Costa Mesa	92627	American Crow	9/4/2014	WNV	RT-PCR
Orange	Orange Co VCD	Costa Mesa	92627	American Crow	9/4/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fountain Valley	92708	American Crow	8/26/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fountain Valley	92708	American Crow	8/28/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fountain Valley	92708	American Crow	8/29/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fountain Valley	92708	American Crow	9/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fullerton	92831	American Crow	9/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Garden Grove	92840	American Crow	9/5/2014	WNV	RT-PCR
Orange	Orange Co VCD	Garden Grove	92843	Mourning Dove	9/2/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92647	American Crow	9/2/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92647	American Crow	9/2/2014	WNV	RT-PCR

California Arbovirus Surveillance Bulletin #30

Week 37 Friday, September 12, 2014

Orange	Orange Co VCD	Huntington Beach	92647	American Crow	9/4/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92647	American Crow	9/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92647	American Crow	9/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92647	American Crow	9/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92648	American Crow	9/2/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92649	American Crow	9/3/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92649	American Crow	9/5/2014	WNV	RT-PCR
Orange	Orange Co VCD	Irvine	92614	American Crow	9/3/2014	WNV	RT-PCR
Orange	Orange Co VCD	Irvine	92614	American Crow	9/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Irvine	92617	American Crow	9/9/2014	WNV	RT-PCR
Orange	Orange Co VCD	La Palma	90623	American Crow	8/29/2014	WNV	RT-PCR
Orange	Orange Co VCD	Ladera Ranch	92964	American Crow	9/4/2014	WNV	RT-PCR
Orange	Orange Co VCD	Laguna Beach	92651	House Finch	9/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Los Alamitos	90720	American Crow	9/5/2014	WNV	RT-PCR
Orange	Orange Co VCD	Los Alamitos	90720	House Sparrow	8/29/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92865	American Crow	9/3/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92869	House Finch	9/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92704	American Crow	9/9/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92705	American Crow	9/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92705	House Finch	9/2/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92706	House Finch	8/28/2014	WNV	RT-PCR
Orange	Orange Co VCD	Stanton	90680	American Crow	8/26/2014	WNV	RT-PCR
Orange	Orange Co VCD	Tustin	92782	American Crow	8/28/2014	WNV	RT-PCR
Orange	Orange Co VCD	Villa Park	92861	American Crow	8/28/2014	WNV	RT-PCR
Orange	Orange Co VCD	Yorba Linda	92886	American Crow	9/3/2014	WNV	RT-PCR
Orange	Orange Co VCD	Yorba Linda	92887	American Crow	8/29/2014	WNV	RT-PCR
Placer	Placer MVCD	Auburn	95602	Red-shouldered Hawk	8/1/2014	WNV	RT-PCR
Placer	Placer MVCD	Auburn	95603	American Crow	8/27/2014	WNV	RT-PCR
Placer	Placer MVCD	Auburn	95603	American Crow	8/28/2014	WNV	RT-PCR
Placer	Placer MVCD	Auburn	95603	Anna's Hummingbird	8/28/2014	WNV	RT-PCR
Placer	Placer MVCD	Granite Bay	95746	American Crow	8/27/2014	WNV	RT-PCR
Placer	Placer MVCD	Lincoln	95648	Anna's Hummingbird	9/2/2014	WNV	RT-PCR
Placer	Placer MVCD	Lincoln	95648	House Finch	9/8/2014	WNV	RT-PCR
Placer	Placer MVCD	Loomis	95650	House Finch	8/4/2014	WNV	RT-PCR
Placer	Placer MVCD	Newcastle	95658	American Crow	9/5/2014	WNV	RT-PCR
Placer	Placer MVCD	Rocklin	95765	Unknown	8/3/2014	WNV	RT-PCR
Placer	Placer MVCD	Roseville	95747	Unknown	8/30/2014	WNV	RT-PCR
Riverside	Northwest Mosquito VCD	Corona	92880	American Crow	8/28/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Citrus Heights	95621	American Crow	9/4/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	Western Scrub-Jay	9/8/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95758	Western Scrub-Jay	9/3/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Fair Oaks	95628	American Crow	9/7/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Fair Oaks	95628	Yellow-billed	9/5/2014	WNV	RT-PCR

California Arbovirus Surveillance Bulletin #30

Week 37 Friday, September 12, 2014

				Magpie			
Sacramento	Sacramento-Yolo MVCD	Rio Linda	95673	American Crow	9/4/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Rio Linda	95673	Yellow-billed Magpie	9/2/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95815	Western Scrub-Jay	9/2/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95825	American Crow	8/29/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95825	American Crow	9/4/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95827	Yellow-billed Magpie	9/4/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	Western Scrub-Jay	9/4/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95864	Western Scrub-Jay	9/7/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95864	Western Scrub-Jay	9/8/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Wilton	95693	American Crow	9/3/2014	WNV	RT-PCR
San Bernardino	San Gabriel Valley MVCD	Upland	91784	American Crow	9/10/2014	WNV	RAMP
San Joaquin	San Joaquin Co MVCD	Lodi	95240	Western Scrub-Jay	9/10/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Manteca	95336	American Crow	9/8/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Stockton	95215	Western Scrub-Jay	9/8/2014	WNV	RT-PCR
San Mateo	San Mateo Co MAD	Foster City	94404	American Crow	9/11/2014	WNV	RAMP
San Mateo	San Mateo Co MAD	Foster City	94404	American Crow	9/11/2014	WNV	RAMP
San Mateo	San Mateo Co MAD	Menlo Park	94025	American Crow	9/3/2014	WNV	RAMP
San Mateo	San Mateo Co MAD	San Bruno	94066	Red-tailed Hawk	9/8/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	9/8/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	9/10/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Gatos	95030	American Crow	9/8/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Mountain View	94040	American Crow	9/8/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Mountain View	94043	American Crow	9/9/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	9/4/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95111	Western Scrub-Jay	9/5/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95120	American Crow	9/4/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95123	Western Scrub-Jay	9/8/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	9/4/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	9/4/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	9/5/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	9/9/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	9/9/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95127	Steller's Jay	9/5/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	9/8/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	American Crow	9/4/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Saratoga	95070	American Crow	9/9/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Saratoga	95070	American Crow	9/10/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	9/9/2014	WNV	RT-PCR
Sonoma	Marin-Sonoma MVCD	Healdsburg	95448	Western Scrub-Jay	9/2/2014	WNV	RT-PCR
Sonoma	Marin-Sonoma MVCD	Sebastopol	95472	American Crow	9/3/2014	WNV	RT-PCR
Stanislaus	Turlock MAD	Denair	95316	Yellow-billed Magpie	8/27/2014	WNV	RT-PCR
Stanislaus	Turlock MAD	Newman	95360	American Crow	8/26/2014	WNV	RT-PCR

California Arbovirus Surveillance Bulletin #30

Week 37 Friday, September 12, 2014

Stanislaus	Turlock MAD	Turlock	95380	Western Scrub-Jay	9/3/2014	WNV	RT-PCR
Stanislaus	Turlock MAD (or East Side MAD)	Modesto	95358	Song Sparrow	9/5/2014	WNV	RT-PCR
Ventura	Ventura Co Env Health	Simi Valley	93065	American Crow	8/27/2014	WNV	RT-PCR
Ventura	Ventura Co Env Health	Ventura	93003	American Crow	8/28/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	9/2/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95616	Western Scrub-Jay	9/5/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95618	American Crow	9/4/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	West Sacramento	95691	Western Scrub-Jay	9/7/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	West Sacramento	95691	Western Scrub-Jay	9/7/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Woodland	95695	American Crow	9/2/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Woodland	95695	American Crow	9/3/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Woodland	95695	American Crow	9/6/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Woodland	95695	Western Scrub-Jay	9/3/2014	WNV	RT-PCR

Mosquitoes

County	Site Code	Pool #	City	Species	# in Pool	Trap	Collected	Virus	Method
Butte	BUCO78	156	Oroville	Cx. tarsalis	50	CO2	8/21/14	WNV	RTPCR
Contra Costa	CNTR5544	416	Brentwood	Cx. pipiens	26	CO2	9/10/14	WNV	RAMP
Fresno	CNSL6088	466	Raisin City	Cx. quinquefasciatus	35	GRVD	9/9/14	WNV	RTPCR
Fresno	FRWS2105	164	Dos Palos	Cx. tarsalis	50	CO2	9/9/14	WNV	RTPCR
Fresno	FRWS4102	166	Kerman	Cx. tarsalis	50	CO2	9/9/14	WNV	RTPCR
Fresno	FRWS4102	167	Kerman	Cx. tarsalis	50	CO2	9/9/14	WNV	RTPCR
Kern	KERN1105	468	Lost Hills	Cx. tarsalis	50	CO2	9/3/14	WNV	RTPCR
Kern	KERN114	465	Bakersfield	Cx. quinquefasciatus	50	CO2	9/3/14	WNV	RTPCR
Kern	KERN1160	479	Shafter	Cx. quinquefasciatus	22	CO2	9/5/14	WNV	RTPCR
Kern	KERN2033	464	Bakersfield	Cx. quinquefasciatus	14	GRVD	9/3/14	WNV	RTPCR
Kern	KERN36	477	Bakersfield	Cx. quinquefasciatus	50	CO2	9/5/14	WNV	RTPCR
Kern	KERN40	470	Lost Hills	Cx. tarsalis	50	CO2	9/3/14	WNV	RTPCR
Kern	WEST6205	99	Tupman	Cx. tarsalis	22	CO2	9/10/2014	WNV	RTPCR
Kern	WEST6236	102		Cx. tarsalis	50	CO2	9/10/2014	WNV	RTPCR
Kern	WEST6236	107		Cx. tarsalis	50	CO2	9/10/2014	WNV	RTPCR
Kings	KNGS3018	407	Lemoore	Cx. tarsalis	50	CO2	9/5/14	WNV	RTPCR
Kings	KNGS3018	408	Lemoore	Cx. pipiens	45	CO2	9/5/14	WNV	RTPCR
Kings	KNGS3044	399	Lemoore	Cx. tarsalis	50	CO2	9/3/14	WNV	RTPCR
Kings	KNGS3044	400	Lemoore	Cx. tarsalis	14	CO2	9/3/14	WNV	RTPCR
Kings	KNGS4405	405	Lemoore	Cx. pipiens	32	BGSENT	9/4/14	WNV	RTPCR
Kings	KNGS4406	406	Lemoore	Cx. pipiens	35	BGSENT	9/4/14	WNV	RTPCR
Kings	KNGS5504	398	Hanford	Cx. pipiens	17	BGSENT	9/3/14	WNV	RTPCR
Lake	LAKE1508	678	Kelseyville	Cx. stigmatosoma	20	OTHER	9/9/14	WNV	RTPCR
Los Angeles	GRLA2007	5677	Toluca Lake	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Los Angeles	GRLA2017	5678	Toluca Lake	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Los Angeles	GRLA2123	608	Harbor City	Cx. quinquefasciatus	24	GRVD	9/5/14	WNV	RTPCR
Los Angeles	GRLA2194	588	South El Monte	Cx. quinquefasciatus	50	GRVD	9/3/14	WNV	RTPCR
Los Angeles	GRLA2222	595	Rowland Heights	Cx. quinquefasciatus	21	GRVD	9/3/14	WNV	RTPCR
Los Angeles	GRLA2228	593	Diamond Bar	Cx. quinquefasciatus	15	GRVD	9/3/14	WNV	RTPCR
Los Angeles	GRLA2278	604	Long Beach	Cx. quinquefasciatus	15	GRVD	9/4/14	WNV	RTPCR
Los Angeles	GRLA2312	605	San Pedro	Cx. quinquefasciatus	23	GRVD	9/5/14	WNV	RTPCR
Los Angeles	GRLA2321	611	Carson	Cx. quinquefasciatus	40	GRVD	9/5/14	WNV	RTPCR

California Arbovirus Surveillance Bulletin #30
 Week 37 Friday, September 12, 2014

Los Angeles	GRLA2359	591	Pico Rivera	Cx. quinquefasciatus	50	GRVD	9/3/14	WNV	RTPCR
Los Angeles	GRLA2604	5654	Los Angeles	Cx. quinquefasciatus	50	GRVD	8/28/14	WNV	RTPCR
Los Angeles	GRLA2890	603	Lakewood	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Los Angeles	GRLA2957	600	Hawaiian Gardens	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Los Angeles	GRLA3027	5675	Studio City	Cx. quinquefasciatus	48	GRVD	9/4/14	WNV	RTPCR
Los Angeles	GRLA3038	5680	Valley Village	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Los Angeles	GRLA3044	590	South El Monte	Cx. quinquefasciatus	50	GRVD	9/3/14	WNV	RTPCR
Los Angeles	GRLA3045	569	Whittier	Cx. quinquefasciatus	50	GRVD	8/26/14	WNV	RTPCR
Los Angeles	GRLA3061	571	Los Angeles	Cx. quinquefasciatus	50	GRVD	8/26/14	WNV	RTPCR
Los Angeles	GRLA3066	5683	North Hollywood	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Los Angeles	GRLA3069	5681	Valley Village	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Los Angeles	GRLA3076	5685	Valley Glen	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Los Angeles	GRLA3080	5682	North Hollywood	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Los Angeles	GRLA3102	5679	Studio City	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Los Angeles	LACW1049	152	Inglewood	Cx. quinquefasciatus	42	GRVD	9/3/14	WNV	RTPCR
Madera	MADR1006	147	Madera	Cx. quinquefasciatus	30	CO2	9/5/14	WNV	RTPCR
Madera	MADR253	151	Madera	Cx. quinquefasciatus	50	CO2	9/9/14	WNV	RTPCR
Madera	MADR254	152	Madera	Cx. quinquefasciatus	13	CO2	9/9/14	WNV	RTPCR
Madera	MADR44	138	Madera	Cx. quinquefasciatus	33	CO2	8/28/14	WNV	RTPCR
Orange	ORCO1011	1569	La Habra	Cx. quinquefasciatus	45	CO2	8/29/14	WNV	RTPCR
Orange	ORCO1021	1560	Tustin	Cx. quinquefasciatus	50	GRVD	8/29/14	WNV	RTPCR
Orange	ORCO1021	1561	Tustin	Cx. quinquefasciatus	50	GRVD	8/29/14	WNV	RTPCR
Orange	ORCO1021	1562	Tustin	Cx. quinquefasciatus	50	GRVD	8/29/14	WNV	RTPCR
Orange	ORCO1021	1564	Tustin	Cx. quinquefasciatus	50	GRVD	8/29/14	WNV	RTPCR
Orange	ORCO1021	1565	Tustin	Cx. quinquefasciatus	49	GRVD	8/29/14	WNV	RTPCR
Orange	ORCO1021	1587	Tustin	Cx. quinquefasciatus	47	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO1026	1555	Seal Beach	Cx. quinquefasciatus	14	GRVD	8/29/14	WNV	RTPCR
Orange	ORCO1026	1609	Seal Beach	Cx. quinquefasciatus	35	GRVD	9/4/14	WNV	RTPCR
Orange	ORCO130	1572	Garden Grove	Cx. quinquefasciatus	14	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO170	1606	Anaheim	Cx. quinquefasciatus	43	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO170	1607	Anaheim	Cx. quinquefasciatus	43	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO18	1653	Lake Forest	Cx. quinquefasciatus	9	GRVD	9/4/14	WNV	RTPCR
Orange	ORCO198	1596	La Habra	Cx. quinquefasciatus	28	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO198	1597	La Habra	Cx. quinquefasciatus	26	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO2	1602	Fullerton	Cx. quinquefasciatus	31	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO205	1582	Tustin	Cx. quinquefasciatus	50	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO205	1583	Tustin	Cx. quinquefasciatus	19	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO210	1620	Garden Grove	Cx. quinquefasciatus	3	CO2	9/4/14	WNV	RTPCR
Orange	ORCO217	1588	Santa Ana	Cx. quinquefasciatus	50	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO217	1610	Santa Ana	Cx. quinquefasciatus	46	GRVD	9/4/14	WNV	RTPCR
Orange	ORCO217	1664	Santa Ana	Cx. quinquefasciatus	43	GRVD	9/5/14	WNV	RTPCR
Orange	ORCO217	1665	Santa Ana	Cx. quinquefasciatus	52	GRVD	9/5/14	WNV	RTPCR
Orange	ORCO217	1666	Santa Ana	Cx. quinquefasciatus	50	GRVD	9/5/14	WNV	RTPCR
Orange	ORCO217	1668	Santa Ana	Cx. quinquefasciatus	52	GRVD	9/5/14	WNV	RTPCR
Orange	ORCO217	1677	Santa Ana	Cx. quinquefasciatus	23	GRVD	9/6/14	WNV	RTPCR
Orange	ORCO217	1678	Santa Ana	Cx. quinquefasciatus	36	GRVD	9/6/14	WNV	RTPCR
Orange	ORCO218	1613	Anaheim	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Orange	ORCO218	1663	Anaheim	Cx. quinquefasciatus	46	GRVD	9/5/14	WNV	RTPCR
Orange	ORCO229	1566	Fountain Valley	Cx. quinquefasciatus	33	GRVD	8/29/14	WNV	RTPCR
Orange	ORCO229	1571	Fountain Valley	Cx. quinquefasciatus	7	GRVD	9/2/14	WNV	RTPCR
Orange	ORCO29	1621	Santa Ana	Cx. quinquefasciatus	50	CO2	9/4/14	WNV	RTPCR
Orange	ORCO29	1622	Santa Ana	Cx. quinquefasciatus	50	CO2	9/4/14	WNV	RTPCR
Orange	ORCO29	1623	Santa Ana	Cx. quinquefasciatus	8	CO2	9/4/14	WNV	RTPCR
Orange	ORCO34	1604	Brea	Cx. quinquefasciatus	27	GRVD	9/3/14	WNV	RTPCR

California Arbovirus Surveillance Bulletin #30
 Week 37 Friday, September 12, 2014

Orange	ORCO34	1605	Brea	Cx. quinquefasciatus	28	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO4	1626	Huntington Beach	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Orange	ORCO5	1632	Huntington Beach	Cx. quinquefasciatus	50	GRVD	9/4/14	WNV	RTPCR
Orange	ORCO5	1633	Huntington Beach	Cx. quinquefasciatus	14	GRVD	9/4/14	WNV	RTPCR
Orange	ORCO52	1595	Anaheim	Cx. quinquefasciatus	25	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO7	1577	Seal Beach	Cx. quinquefasciatus	50	GRVD	9/3/14	WNV	RTPCR
Orange	ORCO81	1576	Seal Beach	Cx. quinquefasciatus	28	GRVD	9/3/14	WNV	RTPCR
Placer	PLCR139	1727	Roseville	Cx. tarsalis	10	CO2	9/9/14	WNV	RTPCR
Placer	PLCR86	1541	Rocklin	Cx. pipiens	5	CO2	8/27/14	WNV	RTPCR
Riverside	COAV123	1157	Mecca	Cx. tarsalis	50	CO2	9/10/14	WNV	RTPCR
Riverside	COAV132	1189	Mecca	Cx. tarsalis	16	CO2	9/10/14	WNV	RTPCR
Riverside	COAV532	1179	Mecca	Cx. tarsalis	50	CO2	9/10/14	WNV	RTPCR
Riverside	COAV542	1182	Mecca	Cx. tarsalis	34	CO2	9/10/14	WNV	RTPCR
Riverside	COAV610	1192		Cx. tarsalis	50	CO2	9/10/14	WNV	RTPCR
Riverside	NWST114	195	Eastvale	Cx. quinquefasciatus	11	CO2	8/26/14	WNV	RTPCR
Riverside	RIVR19	567	Murietta	Cx. erythrothorax	41	CO2	9/9/14	WNV	RTPCR
Riverside	RIVR22	545	Murrieta	Cx. erythrothorax	50	CO2	9/9/14	WNV	RTPCR
Riverside	RIVR30	543	Temecula	Cx. erythrothorax	26	CO2	9/9/14	WNV	RTPCR
Riverside	RIVR30	544	Temecula	Cx. quinquefasciatus	31	CO2	9/9/14	WNV	RTPCR
Sacramento	SAYO203028	5830	North Highlands	Cx. pipiens	5	GRVD	9/9/14	WNV	RTPCR
Sacramento	SAYO204021	5903	Citrus Heights	Cx. pipiens	50	GRVD	9/4/14	WNV	RTPCR
Sacramento	SAYO204021	5904	Citrus Heights	Cx. pipiens	50	GRVD	9/4/14	WNV	RTPCR
Sacramento	SAYO204021	5905	Citrus Heights	Cx. pipiens	10	GRVD	9/4/14	WNV	RTPCR
Sacramento	SAYO214008	5906	Carmichael	Cx. pipiens	50	GRVD	9/4/14	WNV	RTPCR
Sacramento	SAYO214011	5818	Fair Oaks	Cx. pipiens	5	GRVD	9/9/14	WNV	RTPCR
Sacramento	SAYO214013	5825	Carmichael	Cx. tarsalis	11	CO2	9/9/14	WNV	RTPCR
Sacramento	SAYO215005	5814	Folsom	Cx. pipiens	12	CO2	9/9/14	WNV	RTPCR
Sacramento	SAYO222011	6124	Sacramento	Cx. pipiens	50	GRVD	9/11/14	WNV	RTPCR
Sacramento	SAYO223028	5810	Sacramento	Cx. pipiens	50	GRVD	9/5/14	WNV	RTPCR
Sacramento	SAYO224012	5857	Rancho Cordova	Cx. pipiens	17	GRVD	9/9/14	WNV	RTPCR
Sacramento	SAYO232005	6151	Sacramento	Cx. tarsalis	13	CO2	9/11/14	WNV	RTPCR
Sacramento	SAYO233001	6079	Elk Grove	Cx. pipiens	20	GRVD	9/11/14	WNV	RTPCR
Sacramento	SAYO233070	6126	Sacramento	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR
Sacramento	SAYO233070	6127	Sacramento	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR
Sacramento	SAYO236002	5995	Rancho Murieta	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR
Sacramento	SAYO236002	5998	Rancho Murieta	Cx. pipiens	1	GRVD	9/11/14	WNV	RTPCR
Sacramento	SAYO244002	5984	Galt	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR
Sacramento	SAYO244002	5986	Galt	Cx. tarsalis	51	CO2	9/11/14	WNV	RTPCR
Sacramento	SAYO244002	5987	Galt	Cx. pipiens	50	CO2	9/11/14	WNV	RTPCR
Sacramento	SAYO245026	5960	Wilton	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR
Sacramento	SAYO253009	5942	Galt	Cx. pipiens	18	GRVD	9/11/14	WNV	RTPCR
Sacramento	SAYO253015	5943	Elk Grove	Cx. tarsalis	12	CO2	9/11/14	WNV	RTPCR
Sacramento	SAYO255007	5977	Herald	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR
Sacramento	SAYO271007	6090	Isleton	Cx. pipiens	14	GRVD	9/11/14	WNV	RTPCR
San Bernardino	SANB41	344	Mentone	Cx. tarsalis	1	CO2	9/5/14	WNV	RTPCR
San Bernardino	SANB67	315	San Bernardino	Cx. quinquefasciatus	6	CO2	9/4/14	WNV	RTPCR
San Bernardino	WVAL2021	1094	Fwy CA 71	Cx. quinquefasciatus	26	GRVD	9/9/2014	WNV	RTPCR
San Joaquin	SJCM7028	1405	Lodi	Cx. pipiens	3	GRVD	9/5/14	WNV	RTPCR
San Joaquin	SJCM7028	1473	Lodi	Cx. pipiens	11	GRVD	9/10/2014	WNV	RTPCR
San Joaquin	SJCM8009	1466	Stockton	Cx. tarsalis	50	CO2	9/10/14	WNV	RTPCR
San Joaquin	SJCM8020	1461	Acampo	Cx. pipiens	50	CO2	9/9/14	WNV	RTPCR
San Joaquin	SJCM8020	1462	Acampo	Cx. pipiens	13	CO2	9/9/14	WNV	RTPCR
San Joaquin	SJCM8021	1445	Lodi	Cx. tarsalis	22	CO2	9/9/14	WNV	RTPCR
San Joaquin	SJCM8029	1477	Farmington	Cx. pipiens	50	CO2	9/10/2014	WNV	RTPCR

California Arbovirus Surveillance Bulletin #30

Week 37 Friday, September 12, 2014

San Joaquin	SJCM8041	1454	Lodi	Cx. tarsalis	35	CO2	9/9/14	WNV	RTPCR
San Joaquin	SJCM8041	1455	Lodi	Cx. pipiens	12	CO2	9/9/14	WNV	RTPCR
San Joaquin	SJCM8143	1452	Stockton	Cx. tarsalis	50	CO2	9/9/14	WNV	RTPCR
San Joaquin	SJCM8143	1453	Stockton	Cx. tarsalis	37	CO2	9/9/14	WNV	RTPCR
San Joaquin	SJCM8161	1432	Ripon	Cx. pipiens	39	CO2	9/9/14	WNV	RTPCR
San Mateo	SANM476	302	Redwood City	Cx. tarsalis	33	CO2	8/27/14	WNV	RTPCR
Shasta	SHAS264	490	Anderson	Cx. tarsalis	18	CO2	9/11/14	WNV	RTPCR
Sonoma	MARN313	634	Santa Rosa	Cx. stigmatosoma	40	GRVD	9/5/14	WNV	RTPCR
Stanislaus	EAST1083	14266	Modesto	Cx. pipiens	50	CO2	9/10/14	WNV	RAMP
Stanislaus	EAST1083	14267	Modesto	Cx. pipiens	50	CO2	9/10/14	WNV	RAMP
Stanislaus	TRLK1202	738	Hughson	Cx. pipiens	50	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK1219	743	Modesto	Cx. pipiens	50	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK1225	794	Turlock	Cx. pipiens	44	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK1301	808	Denair	Cx. pipiens	50	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK1301	812	Denair	Cx. pipiens	44	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK1308	801	Denair	Cx. tarsalis	50	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK1313	817	Turlock	Cx. pipiens	50	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK1313	818	Turlock	Cx. pipiens	50	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK1313	821	Turlock	Cx. pipiens	50	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK1315	747	Patterson	Cx. tarsalis	48	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK1329	768	Modesto	Cx. tarsalis	50	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK1446	838	Crows Landing	Cx. pipiens	50	CO2	9/5/2014	WNV	RTPCR
Stanislaus	TRLK1446	842	Crows Landing	Cx. pipiens	34	CO2	9/5/2014	WNV	RTPCR
Stanislaus	TRLK1447	831	Denair	Cx. pipiens	50	CO2	9/5/2014	WNV	RTPCR
Stanislaus	TRLK420	700	Turlock	Cx. pipiens	30	CO2	8/28/14	WNV	RTPCR
Stanislaus	TRLK421	726	Hughson	Cx. pipiens	29	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK505	826	Denair	Cx. tarsalis	11	CO2	9/4/2014	WNV	RTPCR
Stanislaus	TRLK530	786	Turlock	Cx. pipiens	28	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK536	717	Turlock	Cx. pipiens	50	CO2	8/28/14	WNV	RTPCR
Stanislaus	TRLK536	718	Turlock	Cx. pipiens	50	CO2	8/28/14	WNV	RTPCR
Stanislaus	TRLK536	778	Turlock	Cx. tarsalis	23	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK548	853	Newman	Cx. tarsalis	50	CO2	9/9/2014	WNV	RTPCR
Stanislaus	TRLK549	846	Newman	Cx. pipiens	36	CO2	9/9/2014	WNV	RTPCR
Stanislaus	TRLK613	734	Hickman	Cx. pipiens	50	CO2	9/4/14	WNV	RTPCR
Stanislaus	TRLK9710	703	Hughson	Cx. pipiens	28	CO2	8/28/14	WNV	RTPCR
Stanislaus	TRLK9737	872	Grayson	Cx. tarsalis	20	CO2	9/9/2014	WNV	RTPCR
Tulare	DLNO14	96	Terra Bella	Cx. quinquefasciatus	50	GRVD	9/3/14	WNV	RTPCR
Tulare	KNGS3017	410	Waukena	Cx. pipiens	50	CO2	9/5/14	WNV	RTPCR
Yolo	SAYO114001	5886	Zamora	Cx. tarsalis	50	CO2	9/9/14	WNV	RTPCR
Yolo	SAYO114001	5887	Zamora	Cx. tarsalis	11	CO2	9/9/14	WNV	RTPCR
Yolo	SAYO125010	6026	Woodland	Cx. pipiens	14	CO2	9/11/14	WNV	RTPCR
Yolo	SAYO125010	6027	Woodland	Cx. pipiens	1	GRVD	9/11/14	WNV	RTPCR
Yolo	SAYO135016	6019	Woodland	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR
Yolo	SAYO135016	6022	Woodland	Cx. tarsalis	4	GRVD	9/11/14	WNV	RTPCR
Yolo	SAYO135016	6024	Woodland	Cx. pipiens	1	GRVD	9/11/14	WNV	RTPCR
Yolo	SAYO143003	5909	Winters	Cx. pipiens	50	GRVD	9/4/14	WNV	RTPCR
Yolo	SAYO143003	5910	Winters	Cx. pipiens	50	GRVD	9/4/14	WNV	RTPCR
Yolo	SAYO143008	5913	Winters	Cx. pipiens	50	GRVD	9/4/14	WNV	RTPCR
Yolo	SAYO146006	6001	Davis	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR
Yolo	SAYO146006	6002	Davis	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR
Yolo	SAYO146014	6035	West Sacramento	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR
Yolo	SAYO146014	6036	West Sacramento	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR
Yolo	SAYO146014	6039	West Sacramento	Cx. tarsalis	50	CO2	9/11/14	WNV	RTPCR

California Arbovirus Surveillance Bulletin #30

Week 37 Friday, September 12, 2014

Sentinel Chickens

County	Site Code	City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04	Band 05
Lake	LAKE1000	Upper Lake	9/8/2014	WNV	1502	1504			
Los Angeles	ANTV2667	Palmdale	9/3/2014	WNV	1067				
Los Angeles	ANTV2877	Lancaster	9/3/2014	WNV	1055				
Los Angeles	ANTV3247	Lancaster	9/3/2014	WNV	1028				
Los Angeles	ANTV8652	Palmdale	9/3/2014	WNV	1056				
Los Angeles	GRLA2465	Los Feliz	9/2/2014	WNV	1445	1448			
Los Angeles	GRLA2651	Encino	9/2/2014	WNV	1451	1453	1454	1457	1458
Riverside	COAV0122	Mecca	9/2/2014	WNV	1229				
Riverside	COAV0200	Mecca	9/2/2014	WNV	1191				
Riverside	COAV0035	Mecca	9/2/2014	WNV	1196	1231			
San Bernardino	SANB0001	Needles	9/4/2014	WNV	2104	2106	2107		
San Bernardino	SANB0008	Upland	9/2/2014	WNV	2017	2020	2022	2024	
Santa Clara	STCL0000	San Jose	9/8/2014	WNV	2447				
Shasta	BURN0001	Downtown Burney	9/3/2014	WNV	1086				
Yolo	SAYO103008	Dunnigan	9/9/2014	WNV	2659	2661			

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.

Dead Birds

Oral swab samples from corvids are collected onto RNase cards and tested by the UC Davis Center for Vectorborne Diseases (CVEC) for West Nile virus by 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.

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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.westmilemaps.usgs.gov.

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