

## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014



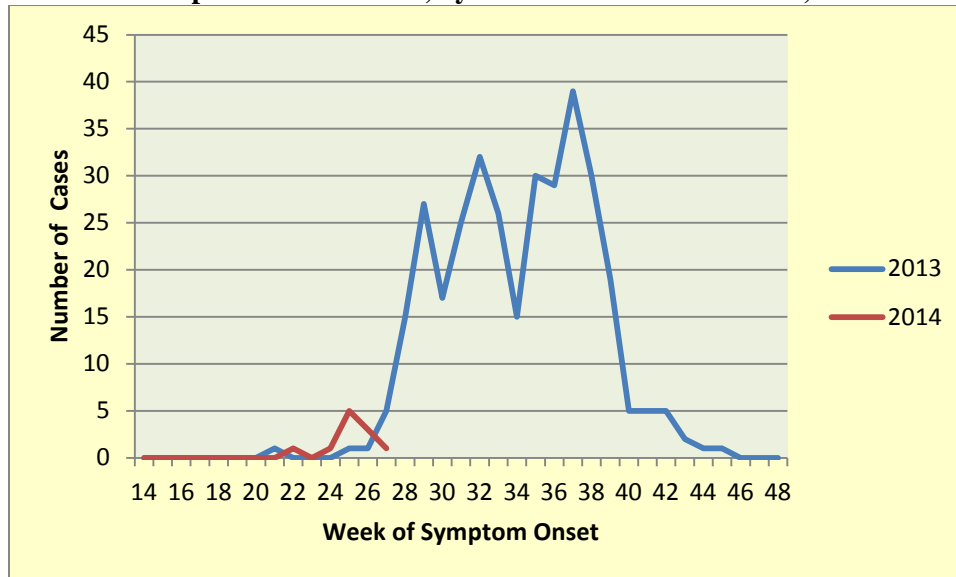
### WEEKLY UPDATE

#### Humans

**Two new cases of West Nile virus (WNV) disease have been reported from Fresno (1) and Orange (1) counties. This is the first reported case from Orange County this year.** As of July 14, 2014, a total of 11 WNV cases have been reported from six counties: Contra Costa (1), Fresno (2), Orange (1), Solano (1), Stanislaus (3), and Tulare (3). Of the 11 case-patients, 10 (91%) had neuroinvasive illness. The median age of the 11 individuals where data are available is 65 years (range: 36-81 years); seven (64%) of the case-patients are male. Dates of symptom onset range from May 27 to June 29. No WNV-related fatalities have been reported to date this year. In addition, two WNV-positive blood donors have been reported in 2014; none have developed symptoms. At this time last year, one WNV case had been reported from Sacramento County.

National Comments: As of July 15, 2014, 29 human cases of WNV disease have been reported from 14 states. Of these, 14 (48%) were classified as neuroinvasive disease and one fatality has been reported.

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



\*Provisional data

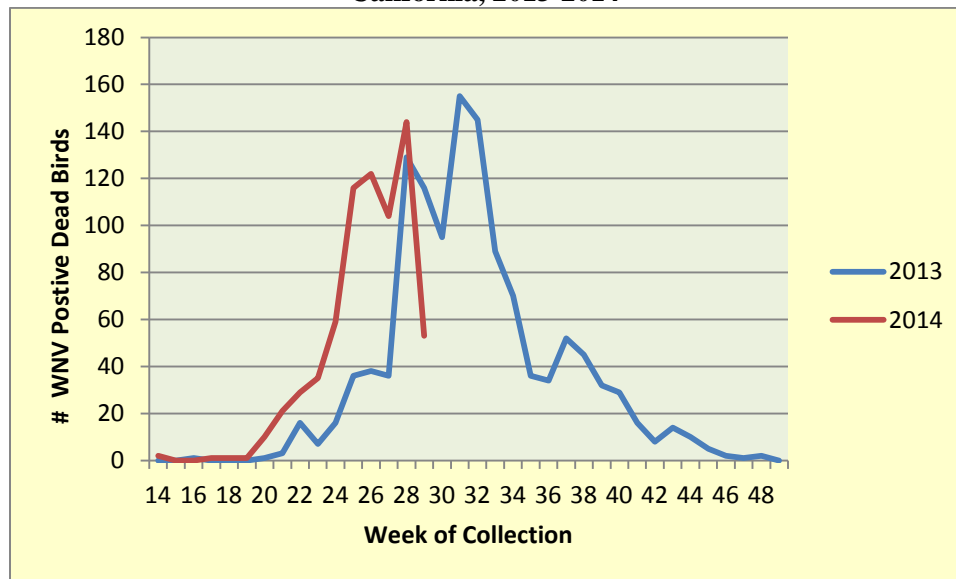
## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

### Dead Birds

A total of 171 WNV positive dead birds were reported this week from the following 22 counties: Alameda (3), Colusa (1), Contra Costa (4), Fresno (2), Glenn (1), Kern (2), Lake (1), Los Angeles (2), Madera (1), Orange (12), Placer (3), Sacramento (30), San Joaquin (6), Santa Clara (85), Shasta (1), Solano (4), Sonoma (2), Stanislaus (4), Sutter (3), Tulare (1), Yolo (2), and Yuba (1). **These are the first indications of WNV activity in Colusa and Glenn counties this year**, and the first WNV positive dead birds detected in Kern County. In 2014, 708 dead birds have tested positive for WNV from 30 counties. At this time last year, 228 WNV positive dead birds had been detected in 28 counties.

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



\*Provisional data

### Mosquito Pools

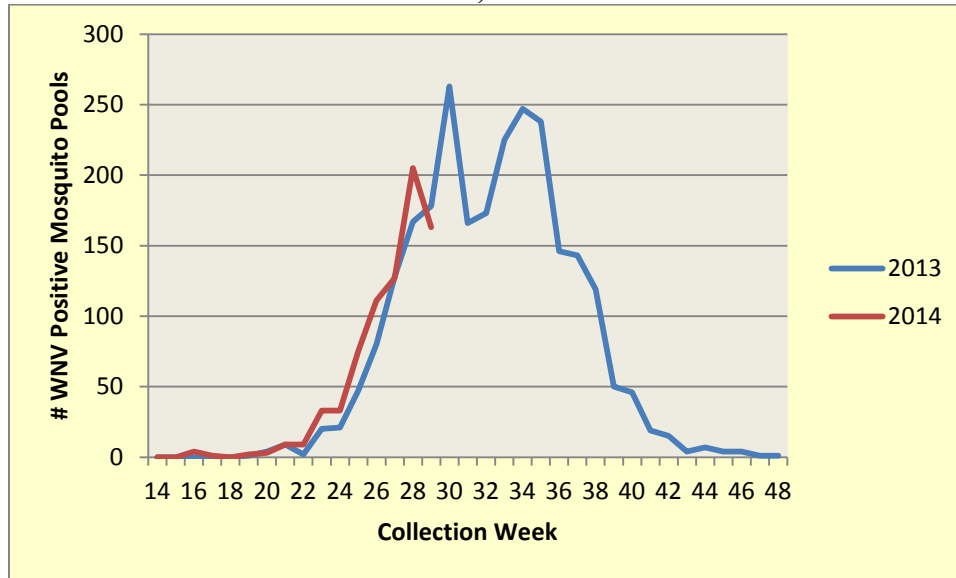
A total of 255 WNV positive mosquito pools were reported this week from the following 23 counties: Alameda (1), Butte (8), Contra Costa (3), Fresno (19), Kern (8), Kings (20), Lake (5), Los Angeles (7), Madera (2), Merced (3), Orange (30), Placer (11), Riverside (3), Sacramento (34), San Bernardino (4), San Joaquin (12), Santa Clara (1), Shasta (1), Stanislaus (6), Sutter (7), Tulare (39), Yolo (26), and Yuba (5). **These are the first WNV positive mosquitoes detected in Alameda and Butte counties, and the first detection of WNV activity in Merced and Riverside counties this year.** In 2014, 775 mosquito pools from 27 counties have tested positive for WNV. At this time last year, 555 WNV positive mosquito pools had been reported from 22 counties.

Also of note, WNV was detected in an *Ae. aegypti* mosquito pool collected from Fresno County; this is the first time WNV has been detected in this mosquito species in California.

## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

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

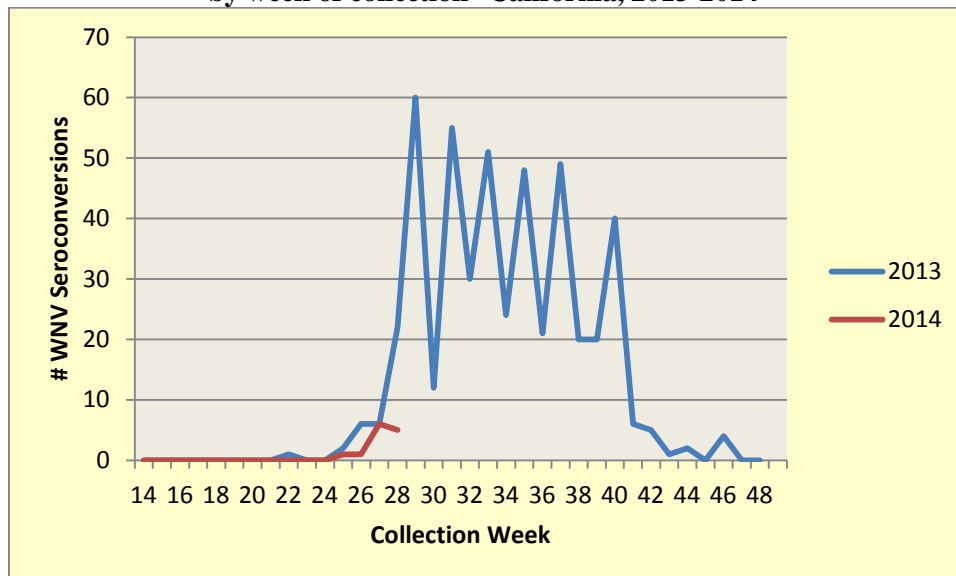


\*Provisional data

### Sentinel Chickens

Five new WNV seroconversions were reported this week from flocks located in Merced (1) and San Bernardino (4) counties. **This is the first detection of WNV activity in Merced County in 2014.** To date this year, 14 WNV positive chickens have been reported from five flocks within five counties. At this time last year, 27 WNV seroconversions had been reported from 12 flocks in seven counties.

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



\*Provisional data

## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

<b>YTD Activity by Element and County, 2014</b>				
County	Humans*	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda		8	1	
Butte		1	8	
Colusa		1		
Contra Costa	1	16	6	4
El Dorado		1		
Fresno	2	5	36	
Glenn		1		
Kern		2	21	
Kings			24	
Lake		5	13	
Los Angeles		7	19	1
Madera		3	9	
Marin		2	3	
Merced			3	1
Napa		1		
Orange	1	31	69	
Placer		10	23	
Riverside			3	
Sacramento		112	154	
San Bernardino		2	20	5
San Joaquin		19	79	
San Mateo		1	1	
Santa Clara		371	17	
Santa Cruz		1		
Shasta		2	6	
Solano	1	24	6	3
Sonoma		6	2	
Stanislaus	3	14	30	
Sutter		11	17	
Tulare	3	31	138	
Ventura		1		
Yolo		16	56	
Yuba		3	11	
<b>Totals</b>	<b>11</b>	<b>708</b>	<b>775</b>	<b>14</b>

*\*Total does not include asymptomatic infections*

## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

2013 & 2014 YTD West Nile Virus Comparisons		
	2013	2014
Total # Dead Bird Reports	7,392	6,404
# Positive Counties	30	33
# Human Cases	1	11
# Positive Dead Birds / # Tested	228 / 1,485	708 / 1,558
# Positive Mosquito Pools / # Tested	555 / 14,996	775 / 12,261
# Seroconversions / # Tested	27 / 7,783	14 / 7,363

### TESTING SUMMARIES

#### Humans

		WNV		WEEV		SLEV	
		Local	Imported	Local	Imported	Local	Imported
Human Cases	Week	2	0	0	0	0	0
	YTD	11	0	0	0	0	0

#### Dead Birds

		Number Tested	WNV Positive
Dead Birds	Week	238	171
	YTD	1,558	708

#### Chickens & Mosquitoes

		Number Tested	WNV Positive	SLEV Positive	WEEV Positive
Chicken Sera	Week	640	5	0	0
	YTD	7,363	14	0	0
Mosquito Pools	Week	1,525	255	0	0
	YTD	12,261	775	0	0

### NEW POSITIVES

#### Dead Birds

County	Agency	City	Zip	Species	Reported	Virus	Method
Alameda	Alameda Co MAD	Castro Valley	94546	American Crow	7/7/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	7/10/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	7/14/2014	WNV	RAMP
Colusa	Colusa MAD	Colusa	95932	Western Scrub-Jay	7/15/2014	WNV	RT-PCR
Contra Costa	Contra Costa MVCD	Antioch	94509	Western Scrub-Jay	7/13/2014	WNV	RAMP
Contra Costa	Contra Costa MVCD	Antioch	94509	American Crow	7/17/2014	WNV	RAMP
Contra Costa	Contra Costa MVCD	Brentwood	94513	American Crow	7/14/2014	WNV	RAMP
Contra Costa	Contra Costa MVCD	Danville	94526	American Crow	7/16/2014	WNV	RAMP
Fresno	Consolidated MAD	Sanger	93657	Western Scrub-Jay	7/9/2014	WNV	RAMP
Fresno	Fresno MVCD	Fresno	93711	American Crow	7/15/2014	WNV	RAMP
Glenn	Glenn Co MVCD	Willows	95988	American Crow	7/8/2014	WNV	RT-PCR
Kern	Kern MVCD	Bakersfield	93311	Western Scrub-Jay	7/7/2014	WNV	RT-PCR
Kern	Kern MVCD	Bakersfield	93311	Western Scrub-Jay	7/8/2014	WNV	RT-PCR
Lake	Lake Co VCD	Lucerne	95458	American Crow	7/16/2014	WNV	RT-PCR
Los Angeles	Antelope Valley MVCD	Quartz Hill	93536	Common Raven	7/9/2014	WNV	RT-PCR
Los Angeles	Los Angeles Co West VCD	Westchester	90045	American Crow	7/11/2014	WNV	RT-PCR

## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

Madera	Madera Co MVCD	Madera	93637	Western Scrub-Jay	7/9/2014	WNV	RT-PCR
Orange	Orange Co VCD	Irvine	92612	American Crow	7/9/2014	WNV	RT-PCR
Orange	Orange Co VCD	Newport Beach	92660	American Crow	7/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92701	American Crow	7/14/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92706	American Crow	7/9/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92801	American Crow	7/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92804	American Crow	7/15/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92805	American Crow	7/9/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fullerton	92831	Mourning Dove	7/10/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fullerton	92833	American Crow	7/9/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92866	American Crow	7/7/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92868	American Crow	7/10/2014	WNV	RT-PCR
Orange	Orange Co VCD	Tustin	92870	American Crow	7/9/2014	WNV	RT-PCR
Placer	Placer MVCD	Lincoln	95648	American Robin	7/10/2014	WNV	RT-PCR
Placer	Placer MVCD	Rocklin	95677	Unknown	7/10/2014	WNV	RT-PCR
Placer	Placer MVCD	Granite Bay	95746	Common Raven	7/9/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	American Crow	7/8/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	Western Scrub-Jay	7/13/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	Yellow-billed Magpie	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Citrus Heights	95610	American Crow	7/9/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Citrus Heights	95621	Western Scrub-Jay	7/9/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	House Finch	7/8/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	American Crow	7/10/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	House Finch	7/9/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	House Finch	7/10/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	House Finch	7/9/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	American Robin	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Isleton	95641	American Crow	7/9/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Rancho Murieta	95683	Western Scrub-Jay	7/10/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Wilton	95693	European Starling	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Wilton	95693	Western Bluebird	7/8/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95757	American Crow	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95816	American Crow	7/11/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95816	American Crow	7/10/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95817	American Crow	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95818	American Crow	7/8/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95818	American Crow	7/11/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95818	American Crow	7/11/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	7/8/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95824	American Crow	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95828	Western Scrub-Jay	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95829	Western Scrub-Jay	7/7/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95829	Western Scrub-Jay	7/10/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	American Crow	7/11/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	House Finch	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	Western Scrub-Jay	7/14/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Stockton	95204	Western Scrub-Jay	7/10/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Stockton	95204	Western Scrub-Jay	7/14/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Acampo	95220	House Finch	7/14/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Lodi	95240	Flycatcher	7/14/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Escalon	95320	Yellow-billed Magpie	7/10/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Escalon	95320	Sparrow	7/15/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Altos	94022	American Crow	7/12/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Altos	94024	American Crow	7/8/2014	WNV	RAMP



## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/11/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/7/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/15/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/6/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/7/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/7/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/8/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/10/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/10/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/11/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/11/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/12/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	7/9/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	7/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	7/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	7/11/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	7/9/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	7/8/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	7/10/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/9/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/10/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/11/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95130	American Crow	7/9/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95130	American Crow	7/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95130	American Crow	7/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95136	American Crow	7/10/2014	WNV	RT-PCR
Shasta	Shasta MVCD	Anderson	96007	Western Scrub-Jay	7/15/2014	WNV	RT-PCR
Solano	Solano Co MAD	Vallejo	94591	American Crow	7/9/2014	WNV	RAMP
Solano	Solano Co MAD	Vacaville	95687	American Crow	7/9/2014	WNV	RAMP
Solano	Solano Co MAD	Vacaville	95688	American Crow	7/9/2014	WNV	RAMP
Solano	Solano Co MAD	Vacaville	95688	American Crow	7/15/2014	WNV	RAMP
Sonoma	Marin-Sonoma MVCD	Rohnert Park	94928	American Crow	7/11/2014	WNV	RT-PCR
Sonoma	Marin-Sonoma MVCD	Rohnert Park	94928	American Crow	7/11/2014	WNV	RT-PCR
Stanislaus	East Side MAD	Modesto	95355	Western Scrub-Jay	7/9/2014	WNV	RT-PCR
Stanislaus	East Side MAD	Modesto	95357	Western Scrub-Jay	7/8/2014	WNV	RT-PCR
Stanislaus	East Side MAD	Modesto	95357	Western Scrub-Jay	7/7/2014	WNV	RT-PCR
Stanislaus	East Side MAD	Modesto	95357	Western Scrub-Jay	7/8/2014	WNV	RT-PCR
Sutter	Sutter-Yuba MVCD	Robbins	95676	House Finch	7/16/2014	WNV	RT-PCR
Sutter	Sutter-Yuba MVCD	Live Oak	95953	Falcon	7/15/2014	WNV	RT-PCR
Sutter	Sutter-Yuba MVCD	Yuba City	95991	American Crow	7/15/2014	WNV	RT-PCR
Tulare	Delta VCD	Visalia	93277	American Crow	7/10/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	7/10/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	7/9/2014	WNV	RT-PCR
Yuba	Sutter-Yuba MVCD	Marysville	95901	American Robin	7/15/2014	WNV	RT-PCR



## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

### Mosquitoes

County	Site Code	Pool #	City	Species	# in Pool	Trap	Collected	Virus	Method
Alameda	ALCO217	27	Livermore	Cx. pipiens	26	CO2	7/3/2014	WNV	RTPCR
Butte	BUCO30	88	Chico	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Butte	BUCO30	90	Chico	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Butte	BUCO38	82	Oroville	Cx. tarsalis	50	CO2	7/14/2014	WNV	RTPCR
Butte	BUCO38	83	Oroville	Cx. tarsalis	50	CO2	7/14/2014	WNV	RTPCR
Butte	BUCO38	84	Oroville	Cx. tarsalis	50	CO2	7/14/2014	WNV	RTPCR
Butte	BUCO38	86	Oroville	Cx. tarsalis	50	CO2	7/14/2014	WNV	RTPCR
Butte	BUCO49	81	Biggs	Cx. tarsalis	50	CO2	7/9/2014	WNV	RTPCR
Butte	BUCO51	70	Dayton	Cx. tarsalis	50	CO2	7/7/2014	WNV	RTPCR
Contra Costa	CNTR3797	187	Discovery Bay	Cx. pipiens	7	CO2	7/14/2014	WNV	RAMP
Contra Costa	CNTR5420	194	Discovery Bay	Cx. tarsalis	20	CO2	7/17/2014	WNV	RAMP
Contra Costa	CNTR5696	192	Discovery Bay	Cx. pipiens	8	CO2	7/16/2014	WNV	RAMP
Fresno	CNSL1346	59	Fresno	Cx. quinquefasciatus	50	GRVD	7/10/2014	WNV	RTPCR
Fresno	CNSL1484	371	Fresno	Cx. quinquefasciatus	50	GRVD	7/10/2014	WNV	RTPCR
Fresno	CNSL1486	372	Fresno	Cx. quinquefasciatus	39	GRVD	7/10/2014	WNV	RTPCR
Fresno	CNSL1486	373	Fresno	Cx. tarsalis	50	CO2	7/10/2014	WNV	RTPCR
Fresno	CNSL1581	61	Fresno	Cx. quinquefasciatus	50	GRVD	7/10/2014	WNV	RTPCR
Fresno	CNSL1696	64	Fresno	Cx. quinquefasciatus	26	GRVD	7/15/2014	WNV	RTPCR
Fresno	CNSL1792	62	Fresno	Cx. quinquefasciatus	39	GRVD	7/10/2014	WNV	RTPCR
Fresno	CNSL1803	60	Clovis	Cx. quinquefasciatus	50	GRVD	7/10/2014	WNV	RTPCR
Fresno	CNSL1819	56	Fresno	Cx. quinquefasciatus	50	CO2	7/9/2014	WNV	RTPCR
Fresno	CNSL1819	57	Fresno	Cx. tarsalis	50	CO2	7/9/2014	WNV	RTPCR
Fresno	CNSL1852	63	Clovis	Ae. aegypti	50	BGSENT	7/11/2014	WNV	RTPCR
Fresno	CNSL1857	374	Clovis	Cx. quinquefasciatus	43	GRVD	7/10/2014	WNV	RTPCR
Fresno	CNSL2281	383	Sanger	Cx. quinquefasciatus	48	GRVD	7/15/2014	WNV	RTPCR
Fresno	CNSL2445	384	Sanger	Cx. quinquefasciatus	31	GRVD	7/15/2014	WNV	RTPCR
Fresno	CNSL5086	376	Kingsburg	Cx. quinquefasciatus	46	GRVD	7/11/2014	WNV	RTPCR
Fresno	CNSL5133	370	Kingsburg	Cx. quinquefasciatus	38	GRVD	7/10/2014	WNV	RTPCR
Fresno	FRNO14	29	Fresno	Cx. quinquefasciatus	33	GRVD	7/3/2014	WNV	RTPCR
Fresno	FRNO62	25	Fresno	Cx. tarsalis	50	CO2	6/24/2014	WNV	RTPCR
Fresno	FRNO8005	24		Cx. tarsalis	50	CO2	6/20/2014	WNV	RTPCR
Kern	KERN1005	214	Bakersfield	Cx. quinquefasciatus	22	GRVD	7/8/2014	WNV	RTPCR
Kern	KERN13	224	Bakersfield	Cx. quinquefasciatus	50	CO2	7/10/14	WNV	RTPCR
Kern	KERN2014	222	Bakersfield	Cx. quinquefasciatus	18	GRVD	7/9/2014	WNV	RTPCR
Kern	KERN29	232	Lamont	Cx. tarsalis	50	CO2	7/11/14	WNV	RTPCR
Kern	KERN33	236	Arvin	Cx. quinquefasciatus	50	CO2	7/11/14	WNV	RTPCR
Kern	WEST6229	80	Taft	Cx. quinquefasciatus	35	GRVD	7/16/14	WNV	RTPCR
Kern	WEST6237	63	Maricopa	Cx. tarsalis	50	CO2	7/16/14	WNV	RTPCR
Kern	WEST6237	65	Maricopa	Cx. tarsalis	50	CO2	7/16/14	WNV	RTPCR
Kings	KNGS3062	120	Lemoore	Cx. tarsalis	50	CO2	7/10/14	WNV	RTPCR
Kings	KNGS3095	129	Corcoran	Cx. pipiens	50	GRVD	7/10/14	WNV	RTPCR
Kings	KNGS3102	84	Armona	Cx. tarsalis	50	CO2	7/3/2014	WNV	RTPCR
Kings	KNGS3102	85	Armona	Cx. pipiens	31	CO2	7/3/2014	WNV	RTPCR
Kings	KNGS3102	131	Armona	Cx. tarsalis	50	CO2	7/11/2014	WNV	RTPCR
Kings	KNGS3102	132	Armona	Cx. tarsalis	50	CO2	7/11/2014	WNV	RTPCR
Kings	KNGS3102	133	Armona	Cx. tarsalis	50	CO2	7/11/2014	WNV	RTPCR
Kings	KNGS3102	134	Armona	Cx. tarsalis	50	CO2	7/11/2014	WNV	RTPCR
Kings	KNGS3102	135	Armona	Cx. tarsalis	38	CO2	7/11/2014	WNV	RTPCR
Kings	KNGS3102	136	Armona	Cx. pipiens	50	CO2	7/11/14	WNV	RTPCR
Kings	KNGS3102	137	Armona	Cx. pipiens	50	CO2	7/11/14	WNV	RTPCR
Kings	KNGS3102	138	Armona	Cx. pipiens	50	CO2	7/11/14	WNV	RTPCR

## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

Kings	KNGS3102	139	Armona	Cx. pipiens	50	CO2	7/11/14	WNV	RTPCR
Kings	KNGS3102	140	Armona	Cx. pipiens	50	CO2	7/11/14	WNV	RTPCR
Kings	KNGS3102	141	Armona	Cx. pipiens	50	CO2	7/11/14	WNV	RTPCR
Kings	KNGS3102	142	Armona	Cx. pipiens	50	CO2	7/11/14	WNV	RTPCR
Kings	KNGS4007	96	Lemoore	Cx. tarsalis	46	BGSENT	7/3/2014	WNV	RTPCR
Kings	KNGS4007	147	Lemoore	Cx. pipiens	9	BGSENT	7/11/14	WNV	RTPCR
Kings	KNGS5501	144	Hanford	Cx. tarsalis	20	BGSENT	7/11/14	WNV	RTPCR
Kings	KNGS5503	111	Hanford	Cx. pipiens	11	BGSENT	7/9/14	WNV	RTPCR
Lake	LAKE1000	306	Upper Lake	Cx. tarsalis	39	REST	7/14/14	WNV	RTPCR
Lake	LAKE327	302	Upper Lake	Cx. tarsalis	45	REST	7/14/14	WNV	RTPCR
Lake	LAKE327	330	Upper Lake	Cx. tarsalis	28	REST	7/10/14	WNV	RTPCR
Lake	LAKE80	307		Cx. tarsalis	33	REST	7/14/14	WNV	RTPCR
Lake	LAKE84	315		Cx. tarsalis	50	CO2	7/15/14	WNV	RTPCR
Los Angeles	GRLA2029	5423	Canoga Park	Cx. quinquefasciatus	50	GRVD	7/10/2014	WNV	RTPCR
Los Angeles	GRLA2097	375	La Mirada	Cx. quinquefasciatus	23	GRVD	7/8/2014	WNV	RTPCR
Los Angeles	GRLA2247	373	Pico Rivera	Cx. quinquefasciatus	50	GRVD	7/8/2014	WNV	RTPCR
Los Angeles	GRLA2724	5420	Canoga Park	Cx. quinquefasciatus	50	GRVD	7/10/2014	WNV	RTPCR
Los Angeles	GRLA2920	393	Carson	Cx. quinquefasciatus	22	CO2	7/10/2014	WNV	RTPCR
Los Angeles	SGVA875	118	Walnut	Cx. quinquefasciatus	9	CO2	7/11/14	WNV	RAMP
Los Angeles	SGVA875	119	Walnut	Cx. tarsalis	16	CO2	7/11/14	WNV	RAMP
Madera	MADR0192	70	Madera	Cx. tarsalis	25	CO2	7/16/14	WNV	RTPCR
Madera	MADR0195	66	Madera	Cx. quinquefasciatus	15	CO2	7/11/14	WNV	RTPCR
Merced	FRWS100009	42	Dos Palos	Cx. tarsalis	50	CO2	7/10/2014	WNV	RTPCR
Merced	MERC0027	38	Merced	Cx. tarsalis	10	CO4	7/15/2014	WNV	RTPCR
Merced	MERC0404	30	Hilmar	Cx. tarsalis	2	CO3	7/9/2014	WNV	RTPCR
Orange	ORCO168	742	Santa Ana	Cx. quinquefasciatus	48	GRVD	7/8/14	WNV	RTPCR
Orange	ORCO168	848	Santa Ana	Cx. quinquefasciatus	19	GRVD	7/15/14	WNV	RTPCR
Orange	ORCO17	733	Orange	Cx. quinquefasciatus	40	GRVD	7/8/14	WNV	RTPCR
Orange	ORCO17	734	Orange	Cx. quinquefasciatus	30	GRVD	7/8/14	WNV	RTPCR
Orange	ORCO170	726	Anaheim	Cx. quinquefasciatus	50	GRVD	7/8/14	WNV	RTPCR
Orange	ORCO170	727	Anaheim	Cx. quinquefasciatus	30	GRVD	7/8/14	WNV	RTPCR
Orange	ORCO170	832	Anaheim	Cx. quinquefasciatus	48	GRVD	7/15/14	WNV	RTPCR
Orange	ORCO2	719	Fullerton	Cx. quinquefasciatus	26	GRVD	7/8/14	WNV	RTPCR
Orange	ORCO205	729	Tustin	Cx. quinquefasciatus	50	GRVD	7/8/14	WNV	RTPCR
Orange	ORCO205	854	Tustin	Cx. quinquefasciatus	31	GRVD	7/15/2014	WNV	RTPCR
Orange	ORCO209	772	Santa Ana	Cx. quinquefasciatus	50	CO2	7/10/2014	WNV	RTPCR
Orange	ORCO209	773	Santa Ana	Cx. quinquefasciatus	22	CO2	7/10/2014	WNV	RTPCR
Orange	ORCO214	774	Fullerton	Cx. quinquefasciatus	13	CO2	7/10/2014	WNV	RTPCR
Orange	ORCO217	712	Santa Ana	Cx. quinquefasciatus	28	CO2	7/8/14	WNV	RTPCR
Orange	ORCO217	721	Santa Ana	Cx. quinquefasciatus	12	CO2	7/8/14	WNV	RTPCR
Orange	ORCO217	763	Santa Ana	Cx. quinquefasciatus	13	CO2	7/9/14	WNV	RTPCR
Orange	ORCO217	828	Santa Ana	Cx. quinquefasciatus	12	CO2	7/15/14	WNV	RTPCR
Orange	ORCO217	829	Santa Ana	Cx. quinquefasciatus	6	CO2	7/15/14	WNV	RTPCR
Orange	ORCO217	839	Santa Ana	Cx. quinquefasciatus	4	CO2	7/15/14	WNV	RTPCR
Orange	ORCO217	857	Santa Ana	Cx. quinquefasciatus	46	GRVD	7/15/2014	WNV	RTPCR
Orange	ORCO217	858	Santa Ana	Cx. quinquefasciatus	45	GRVD	7/15/2014	WNV	RTPCR
Orange	ORCO29	776	Santa Ana	Cx. quinquefasciatus	10	CO2	7/10/2014	WNV	RTPCR
Orange	ORCO3	737	Garden Grove	Cx. quinquefasciatus	15	GRVD	7/8/14	WNV	RTPCR
Orange	ORCO3	843	Garden Grove	Cx. quinquefasciatus	6	GRVD	7/15/14	WNV	RTPCR
Orange	ORCO41	847	Anaheim	Cx. quinquefasciatus	43	CO2	7/15/14	WNV	RTPCR
Orange	ORCO50	845	Buena Park	Cx. quinquefasciatus	18	GRVD	7/15/14	WNV	RTPCR
Orange	ORCO52	841	Anaheim	Cx. quinquefasciatus	16	GRVD	7/15/14	WNV	RTPCR
Orange	ORCO6	784	Irvine	Cx. quinquefasciatus	10	GRVD	7/10/14	WNV	RTPCR
Orange	ORCO84	744	Orange	Cx. quinquefasciatus	24	GRVD	7/9/14	WNV	RTPCR

## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

Orange	ORCO84	852	Orange	Cx. quinquefasciatus	5	GRVD	7/15/2014	WNV	RTPCR
Placer	PLCR1070	854	Roseville	Cx. tarsalis	46	CO2	7/15/2014	WNV	RTPCR
Placer	PLCR1113	838	Pleasant Grove	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Placer	PLCR1113	839	Pleasant Grove	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Placer	PLCR1113	840	Pleasant Grove	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Placer	PLCR1113	841	Pleasant Grove	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Placer	PLCR1113	842	Pleasant Grove	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Placer	PLCR1113	843	Pleasant Grove	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Placer	PLCR17	829	Sheridan	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Placer	PLCR17	833	Sheridan	Cx. pipiens	4	CO2	7/15/2014	WNV	RTPCR
Placer	PLCR58	835	LINCOLN	Cx. tarsalis	39	CO2	7/15/2014	WNV	RTPCR
Placer	PLCR668	825	Elverta	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Riverside	COAV43	872	Mecca	Cx. tarsalis	31	CO2	7/15/2014	WNV	RTPCR
Riverside	COAV54	878	Mecca	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Riverside	COAV54	879	Mecca	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Sacramento	SAYO202006	3141	Sacramento	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Sacramento	SAYO202006	3142	Sacramento	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Sacramento	SAYO202006	3144	Sacramento	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Sacramento	SAYO202006	3147	Sacramento	Cx. pipiens	3	GRVD	7/17/14	WNV	RTPCR
Sacramento	SAYO204022	2854	Citrus Heights	Cx. pipiens	11	GRVD	7/12/2014	WNV	RTPCR
Sacramento	SAYO204027	2865	Fair Oaks	Cx. pipiens	1	CO2	7/12/2014	WNV	RTPCR
Sacramento	SAYO204037	2868	Citrus Heights	Cx. pipiens	2	CO2	7/12/2014	WNV	RTPCR
Sacramento	SAYO204037	2869	Citrus Heights	Cx. pipiens	6	GRVD	7/12/2014	WNV	RTPCR
Sacramento	SAYO212002	3162	Sacramento	Cx. pipiens	10	GRVD	7/17/14	WNV	RTPCR
Sacramento	SAYO214009	2876	Carmichael	Cx. pipiens	2	CO2	7/15/2014	WNV	RTPCR
Sacramento	SAYO214011	2861	Fair Oaks	Cx. tarsalis	4	CO2	7/12/2014	WNV	RTPCR
Sacramento	SAYO214033	2860	Fair Oaks	Cx. pipiens	46	GRVD	7/12/2014	WNV	RTPCR
Sacramento	SAYO222011	3133	Sacramento	Cx. tarsalis	11	CO2	7/17/14	WNV	RTPCR
Sacramento	SAYO233015	2914	Sacramento	Cx. tarsalis	3	CO2	7/15/2014	WNV	RTPCR
Sacramento	SAYO233015	2915	Sacramento	Cx. pipiens	5	CO2	7/15/2014	WNV	RTPCR
Sacramento	SAYO233015	2916	Sacramento	Cx. pipiens	19	GRVD	7/15/2014	WNV	RTPCR
Sacramento	SAYO233029	2938	Elk Grove	Cx. tarsalis	32	CO2	7/15/14	WNV	RTPCR
Sacramento	SAYO233029	2939	Elk Grove	Cx. pipiens	7	CO2	7/15/14	WNV	RTPCR
Sacramento	SAYO233029	2940	Elk Grove	Cx. pipiens	3	GRVD	7/15/14	WNV	RTPCR
Sacramento	SAYO233054	2917	Sacramento	Cx. tarsalis	12	CO2	7/15/2014	WNV	RTPCR
Sacramento	SAYO233054	2918	Sacramento	Cx. pipiens	1	CO2	7/15/2014	WNV	RTPCR
Sacramento	SAYO233070	2919	Sacramento	Cx. tarsalis	16	CO2	7/15/2014	WNV	RTPCR
Sacramento	SAYO234010	2921	Sacramento	Cx. tarsalis	10	CO2	7/15/2014	WNV	RTPCR
Sacramento	SAYO234010	2922	Sacramento	Cx. pipiens	6	CO2	7/15/14	WNV	RTPCR
Sacramento	SAYO235019	3090	Wilton	Cx. tarsalis	8	CO2	7/17/14	WNV	RTPCR
Sacramento	SAYO235019	3092	Wilton	Cx. pipiens	2	GRVD	7/17/14	WNV	RTPCR
Sacramento	SAYO245002	3081	Wilton	Cx. pipiens	25	CO2	7/17/14	WNV	RTPCR
Sacramento	SAYO245002	3082	Wilton	Cx. pipiens	2	GRVD	7/17/14	WNV	RTPCR
Sacramento	SAYO245004	3088	Wilton	Cx. tarsalis	10	CO2	7/17/14	WNV	RTPCR
Sacramento	SAYO245004	3089	Wilton	Cx. pipiens	6	CO2	7/17/14	WNV	RTPCR
Sacramento	SAYO245006	3085	Wilton	Cx. pipiens	1	GRVD	7/17/14	WNV	RTPCR
Sacramento	SAYO261003	2994	Isleton	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Sacramento	SAYO261003	2995	Isleton	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Sacramento	SAYO261003	2996	Isleton	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
San Bernardino	WVAL6004	731	Ontario	Cx. quinquefasciatus	36	GRVD	7/10/14	WNV	RTPCR
San Bernardino	WVAL6004	774	Ontario	Cx. quinquefasciatus	25	GRVD	7/15/14	WNV	RTPCR
San Bernardino	WVAL6004	777	Ontario	Cx. quinquefasciatus	19	GRVD	7/15/14	WNV	RTPCR
San Bernardino	WVAL6009	771	Ontario	Cx. quinquefasciatus	31	GRVD	7/15/14	WNV	RTPCR
San Joaquin	SJCM7021	905	Stockton	Cx. pipiens	6	GRVD	7/15/14	WNV	RTPCR

## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

San Joaquin	SJCM8018	907	Stockton	Cx. tarsalis	50	CO2	7/15/14	WNV	RTPCR
San Joaquin	SJCM8018	908	Stockton	Cx. tarsalis	50	CO2	7/15/14	WNV	RTPCR
San Joaquin	SJCM8018	909	Stockton	Cx. tarsalis	25	CO2	7/15/14	WNV	RTPCR
San Joaquin	SJCM8026	892	Stockton	Cx. tarsalis	18	CO2	7/15/14	WNV	RTPCR
San Joaquin	SJCM8027	903	McDonald Isl. bridge	Cx. tarsalis	17	CO2	7/15/14	WNV	RTPCR
San Joaquin	SJCM8097	879	Banta	Cx. tarsalis	28	CO2	7/15/14	WNV	RTPCR
San Joaquin	SJCM8100	888	Tracy	Cx. pipiens	8	CO2	7/15/14	WNV	RTPCR
San Joaquin	SJCM8160	884	Lodi	Cx. tarsalis	26	CO2	7/15/14	WNV	RTPCR
San Joaquin	SJCM8161	868	Ripon	Cx. pipiens	50	CO2	7/15/14	WNV	RTPCR
San Joaquin	SJCM8191	883	Lodi	Cx. tarsalis	23	CO2	7/15/14	WNV	RTPCR
San Joaquin	SJCM9906	878	French Camp	Cx. tarsalis	7	CO2	7/15/14	WNV	RTPCR
Santa Clara	STCL1795	5307	Cupertino	Cx. pipiens	12	CO2	7/10/14	WNV	RTPCR
Shasta	SHAS148	165	Cottonwood	Cx. pipiens	9	CO2	7/8/14	WNV	RTPCR
Stanislaus	EAST1004	14137	Modesto	Cx. tarsalis	50	CO2	7/16/2014	WNV	RTPCR
Stanislaus	EAST1008	14126	Modesto	Cx. tarsalis	17	CO2	7/15/2014	WNV	RTPCR
Stanislaus	EAST1013	14128	Modesto	Cx. pipiens	50	CO2	7/15/2014	WNV	RTPCR
Stanislaus	EAST1025	14144	Modesto	Cx. pipiens	25	CO2	7/17/2014	WNV	RTPCR
Stanislaus	EAST1054	14110	Oakdale	Cx. pipiens	50	CO2	7/8/2014	WNV	RTPCR
Stanislaus	EAST1075	14123	Riverbank	Cx. pipiens	10	CO2	7/15/2014	WNV	RTPCR
Sutter	SUYA107	198	Live Oak	Cx. tarsalis	50	REST	7/14/14	WNV	RTPCR
Sutter	SUYA30	195	Live Oak	Cx. tarsalis	50	REST	7/14/14	WNV	RTPCR
Sutter	SUYA31	202	Rio Oso	Cx. tarsalis	50	REST	7/14/14	WNV	RTPCR
Sutter	SUYA44	208	Pleasant Grove	Cx. tarsalis	50	REST	7/14/14	WNV	RTPCR
Sutter	SUYA44	209	Pleasant Grove	Cx. tarsalis	50	REST	7/14/14	WNV	RTPCR
Sutter	SUYA63	196	Pennington	Cx. tarsalis	50	REST	7/14/14	WNV	RTPCR
Sutter	SUYA63	197	Pennington	Cx. tarsalis	50	REST	7/14/14	WNV	RTPCR
Tulare	DLTA6236	440	Kingsburg	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Tulare	DLTA6236	441	Kingsburg	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Tulare	DLTA6236	448	Kingsburg	Cx. quinquefasciatus	20	CO2	7/15/2014	WNV	RTPCR
Tulare	DLTA6236	449	Kingsburg	Cx. tarsalis	38	CO2	7/15/14	WNV	RTPCR
Tulare	DLTA6407	419	Dinuba	Cx. quinquefasciatus	10	GRVD	7/11/2014	WNV	RTPCR
Tulare	DLTA6408	414	Dinuba	Cx. quinquefasciatus	16	GRVD	7/11/2014	WNV	RTPCR
Tulare	DLTA6417	417	Dinuba	Cx. quinquefasciatus	49	GRVD	7/11/2014	WNV	RTPCR
Tulare	DLTA6417	418	Dinuba	Cx. quinquefasciatus	11	GRVD	7/11/2014	WNV	RTPCR
Tulare	DLTA7316	400	Traver	Cx. quinquefasciatus	14	GRVD	7/9/2014	WNV	RTPCR
Tulare	DLTA8413	397	Visalia	Cx. quinquefasciatus	7	GRVD	7/9/2014	WNV	RTPCR
Tulare	DLTA8423	398	Visalia	Cx. quinquefasciatus	12	GRVD	7/9/2014	WNV	RTPCR
Tulare	DLTA8425	425	Visalia	Cx. quinquefasciatus	9	GRVD	7/15/2014	WNV	RTPCR
Tulare	DLTA8425	426	Visalia	Cx. quinquefasciatus	17	GRVD	7/15/14	WNV	RTPCR
Tulare	DLTA8434	406	Visalia	Cx. quinquefasciatus	9	GRVD	7/10/2014	WNV	RTPCR
Tulare	DLTA8434	427	Visalia	Cx. quinquefasciatus	17	GRVD	7/15/14	WNV	RTPCR
Tulare	DLTA8434	428	Visalia	Cx. quinquefasciatus	32	GRVD	7/15/14	WNV	RTPCR
Tulare	DLTA8436	395	Visalia	Cx. quinquefasciatus	10	GRVD	7/9/2014	WNV	RTPCR
Tulare	DLTA8522	403	Visalia	Cx. quinquefasciatus	10	GRVD	7/10/2014	WNV	RTPCR
Tulare	DLTA8528	458	Visalia	Cx. quinquefasciatus	9	GRVD	7/16/14	WNV	RTPCR
Tulare	DLTA8533	454	Visalia	Cx. quinquefasciatus	9	GRVD	7/16/2014	WNV	RTPCR
Tulare	DLTA9403	429	Visalia	Cx. quinquefasciatus	27	GRVD	7/15/14	WNV	RTPCR
Tulare	DLTA9403	431	Visalia	Cx. quinquefasciatus	47	GRVD	7/15/14	WNV	RTPCR
Tulare	DLTA9403	432	Visalia	Cx. quinquefasciatus	50	GRVD	7/15/2014	WNV	RTPCR
Tulare	DLTA9403	433	Visalia	Cx. quinquefasciatus	28	GRVD	7/15/2014	WNV	RTPCR
Tulare	DLTA9403	434	Visalia	Cx. quinquefasciatus	41	GRVD	7/15/2014	WNV	RTPCR
Tulare	DLTA9403	435	Visalia	Cx. quinquefasciatus	26	GRVD	7/15/2014	WNV	RTPCR
Tulare	DLTA9411	421	Visalia	Cx. quinquefasciatus	34	GRVD	7/15/2014	WNV	RTPCR

## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

Tulare	DLTA9411	422	Visalia	Cx. quinquefasciatus	25	GRVD	7/15/2014	WNV	RTPCR
Tulare	DLTA9411	423	Visalia	Cx. quinquefasciatus	20	GRVD	7/15/2014	WNV	RTPCR
Tulare	DLTA9501	460	Farmersville	Cx. quinquefasciatus	15	GRVD	7/16/2014	WNV	RTPCR
Tulare	DLTA9504	456	Visalia	Cx. quinquefasciatus	10	GRVD	7/16/14	WNV	RTPCR
Tulare	DLTA9505	450	Visalia	Cx. quinquefasciatus	29	GRVD	7/16/14	WNV	RTPCR
Tulare	DLTA9512	451	Farmersville	Cx. quinquefasciatus	50	GRVD	7/16/14	WNV	RTPCR
Tulare	DLTA9603	452	Exeter	Cx. quinquefasciatus	21	GRVD	7/16/2014	WNV	RTPCR
Tulare	DLTA9606	453	Farmersville	Cx. quinquefasciatus	22	GRVD	7/16/2014	WNV	RTPCR
Tulare	DLTA9606	459	Farmersville	Cx. quinquefasciatus	39	GRVD	7/16/2014	WNV	RTPCR
Tulare	TLRE18	20	Tulare	Cx. quinquefasciatus	32	CO2	7/16/14	WNV	RTPCR
Tulare	TLRE43	21	Tipton	Cx. quinquefasciatus	12	CO2	7/16/14	WNV	RTPCR
Tulare	TLRE74	22	Tulare	Cx. quinquefasciatus	19	CO2	7/16/14	WNV	RTPCR
Yolo	SAYO103003	2947	Dunnigan	Cx. tarsalis	47	CO2	7/15/14	WNV	RTPCR
Yolo	SAYO103006	2981	Dunnigan	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Yolo	SAYO103006	2982	Dunnigan	Cx. tarsalis	50	CO2	7/15/14	WNV	RTPCR
Yolo	SAYO103007	2959	Dunnigan	Cx. tarsalis	50	CO2	7/15/14	WNV	RTPCR
Yolo	SAYO114001	2976	Zamora	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Yolo	SAYO116002	2955	Knights Landing	Cx. tarsalis	50	CO2	7/15/14	WNV	RTPCR
Yolo	SAYO135005	3181	Woodland	Cx. tarsalis	29	CO2	7/17/14	WNV	RTPCR
Yolo	SAYO135010	3190	Woodland	Cx. pipiens	8	GRVD	7/17/14	WNV	RTPCR
Yolo	SAYO136010	3017	Woodland	Cx. tarsalis	50	CO2	7/15/2014	WNV	RTPCR
Yolo	SAYO136010	3018	Woodland	Cx. tarsalis	50	CO2	7/15/14	WNV	RTPCR
Yolo	SAYO136010	3021	Woodland	Cx. tarsalis	50	CO2	7/15/14	WNV	RTPCR
Yolo	SAYO136010	3022	Woodland	Cx. tarsalis	5	GRVD	7/15/14	WNV	RTPCR
Yolo	SAYO145011	3046	Davis	Cx. pipiens	15	GRVD	7/17/14	WNV	RTPCR
Yolo	SAYO145023	3050	Davis	Cx. pipiens	20	GRVD	7/17/14	WNV	RTPCR
Yolo	SAYO146002	3064	Davis	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Yolo	SAYO146002	3065	Davis	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Yolo	SAYO146002	3067	Davis	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Yolo	SAYO146002	3068	Davis	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Yolo	SAYO146017	3052	Davis	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Yolo	SAYO146017	3055	Davis	Cx. tarsalis	50	CO2	7/17/2014	WNV	RTPCR
Yolo	SAYO146017	3056	Davis	Cx. tarsalis	1	GRVD	7/17/14	WNV	RTPCR
Yolo	SAYO146017	3058	Davis	Cx. pipiens	1	GRVD	7/17/14	WNV	RTPCR
Yolo	SAYO146019	3073	Davis	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Yolo	SAYO146019	3074	Davis	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Yolo	SAYO146019	3075	Davis	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Yolo	SAYO146019	3076	Davis	Cx. tarsalis	50	CO2	7/17/14	WNV	RTPCR
Yuba	SUYA10	223	Olivehurst	Cx. tarsalis	50	CO2	7/14/14	WNV	RTPCR
Yuba	SUYA108	215	Plumas Lake	Cx. tarsalis	40	CO2	7/14/14	WNV	RTPCR
Yuba	SUYA108	217	Plumas Lake	Cx. pipiens	15	CO2	7/14/14	WNV	RTPCR
Yuba	SUYA7	210	Marysville	Cx. tarsalis	36	REST	7/14/14	WNV	RTPCR
Yuba	SUYA97	205	Marysville	Cx. tarsalis	23	REST	7/14/14	WNV	RTPCR

### Sentinel Chickens

County	Site Code	City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04
Merced	MERC0003	Gustine	7/10/2014	WNV	1771			
San Bernardino	SANB0011	Rialto	7/8/2014	WNV	2027	2028	2029	2031

## California Arbovirus Surveillance Bulletin #22

Week 29 Friday, July 18, 2014

### 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.

---

*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](mailto:tina.feiszli@cdph.ca.gov).*

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