

California Arbovirus Surveillance Bulletin #27

Week 34 Friday, August 22, 2014



WEEKLY UPDATE

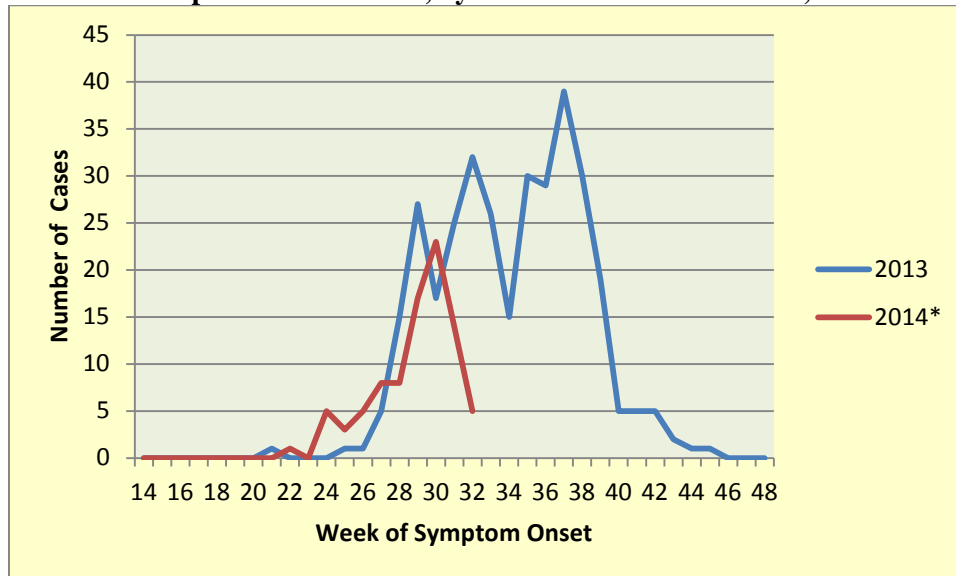
Humans

A total of 36 new cases of West Nile virus (WNV) disease were reported to the California Department of Public Health (CDPH) this week from the following 10 counties: Butte (4), Colusa (1), Fresno (4), Glenn (1), Los Angeles (4), Orange (12), San Bernardino (1), Santa Clara (3), Stanislaus (5), and Yuba (1). **These are the first human cases reported from Colusa, Glenn, San Bernardino, Santa Clara, and Yuba counties this year.**

As of August 18, 2014, a total of 93 human cases of WNV disease have been reported from 18 counties. As of this date in 2013, 59 cases had been reported from 18 counties. Of the 93 case-patients, 59 (63%) had neuroinvasive illness. The median age of the 93 individuals is 60 years (range: 6-90 years); 66 (71%) of the 93 case-patients are male. Dates of symptom onset for individuals where data were available range from May 27 to August 8. Four WNV-related fatalities have been reported to CDPH from three counties: Sacramento (1), Shasta (1), and Stanislaus (2).

In addition, 15 asymptomatic WNV-positive blood donors have been reported this year from ten counties: Alameda (1), Butte (1), Contra Costa (1), Kern (1), Los Angeles (2), Orange (2), San Joaquin (2), Santa Clara (1), Stanislaus (3), and Sutter (1).

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



*Reported to CDPH as of 8/18/14. Data incomplete due to reporting delays.

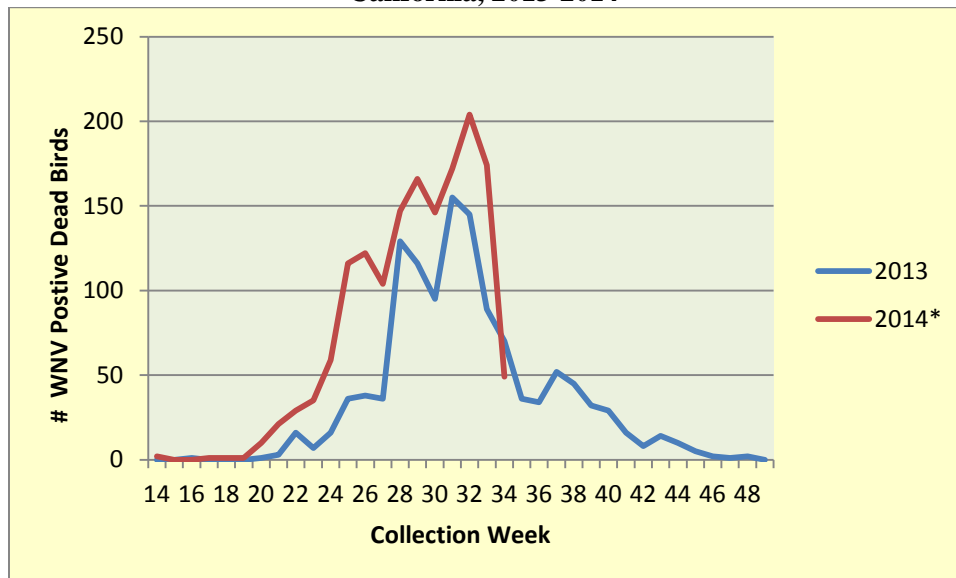
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Dead Birds

A total of 160 WNV positive dead birds were reported this week from the following 15 counties: Alameda (9), Butte (7), Contra Costa (2), Lake (2), Los Angeles (9), Napa (1), Orange (51), Placer (4), Sacramento (13), San Mateo (1), Santa Clara (51), Sonoma (1), Stanislaus (4), Yolo (4), and Yuba (1). In 2014, 1,570 dead birds have tested positive for WNV from 33 counties. At this time last year, 831 WNV positive dead birds had been detected in 37 counties.

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



*Reported to CDPH as of 8/22/14. Data incomplete due to reporting delays.

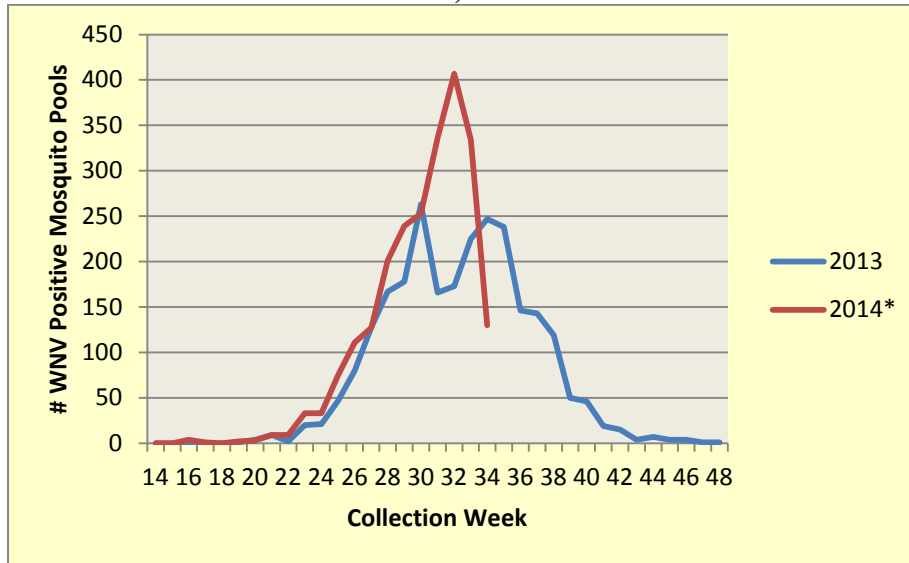
Mosquito Pools

A total of 267 WNV positive mosquito pools were reported this week from the following 22 counties: Alameda (2), Butte (4), Contra Costa (6), Fresno (9), Glenn (3), Kern (14), Lake (11), Los Angeles (44), Madera (7), Orange (58), Placer (8), Riverside (8), Sacramento (27), San Bernardino (6), San Joaquin (19), San Mateo (1), Santa Clara (1), Shasta (5), Stanislaus (20), Sutter (2), Yolo (11), and Yuba (1). In 2014, 2,308 mosquito pools from 29 counties have tested positive for WNV. At this time last year, 1,562 WNV positive mosquito pools had been reported from 25 counties.

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

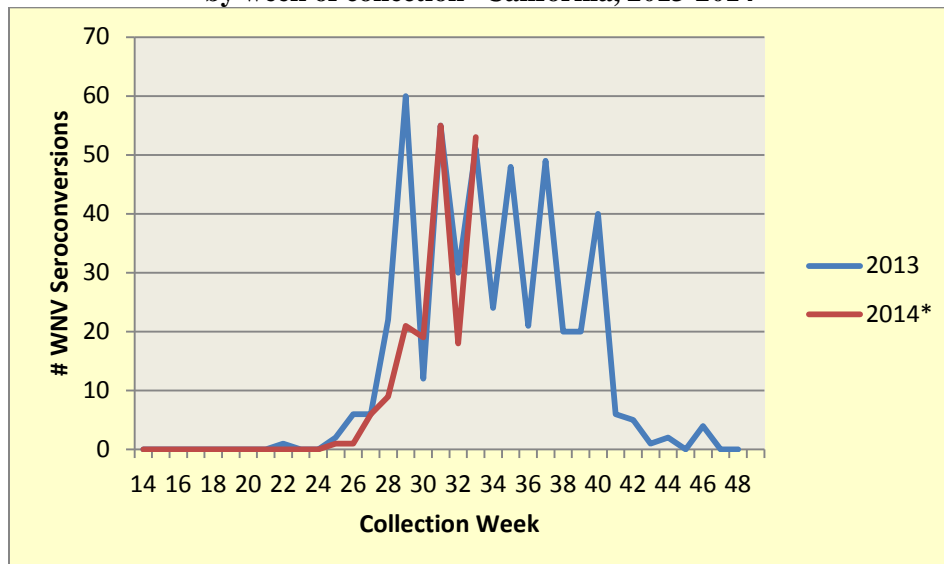


*Reported to CDPH as of 8/22/14. Data incomplete due to reporting delays.

Sentinel Chickens

A total of 55 new WNV seroconversions were reported this week from 24 flocks located in the following 12 counties: Butte (14), Colusa (2), Contra Costa (5), Glenn (2), Los Angeles (3), Sacramento (1), Shasta (3) Solano (5), Sonoma (1), Sutter (12), Tehama (4), and Yuba (3). **These are the first WNV positive chickens reported from Shasta and Sonoma counties this year.** In 2014, 184 WNV positive chickens have been reported from 49 flocks located in 19 counties. At this time last year, 229 WNV seroconversions had been reported from 68 flocks in 19 counties.

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



*Reported to CDPH as of 8/22/14. Data incomplete due to reporting delays.

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YTD Activity by Element and County, 2014				
County	Humans*	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda		60	12	
Butte	8	18	31	33
Colusa	1	4	1	5
Contra Costa	1	27	16	12
El Dorado		1		
Fresno	16	8	96	
Glenn	1	4	8	7
Humboldt		2		
Kern	3	3	75	
Kings		2	138	
Lake		14	61	2
Los Angeles	6	30	139	26
Madera	2	4	28	
Marin		3	3	
Merced			9	3
Napa		9		
Orange	25	189	239	
Placer		23	69	
Riverside			33	3
Sacramento	3	232	387	5
San Bernardino	1	8	69	13
San Diego		4		
San Joaquin	1	36	154	
San Mateo		8	11	
Santa Clara	3	690	28	
Santa Cruz		1		
Shasta	1	2	25	3
Solano	1	31	10	19
Sonoma		13	4	1
Stanislaus	15	31	102	12
Sutter		19	51	24
Tehama				5
Tulare	4	38	301	4
Ventura		2		
Yolo		43	185	1
Yuba	1	11	23	6
Totals	93	1,570	2,308	184

**Total does not include asymptomatic infections*

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2013 & 2014 YTD West Nile Virus Comparisons		
	2013	2014
Total # Dead Bird Reports	10,788	10,145
# Positive Counties	38	36
# Human Cases	59	93
# Positive Dead Birds / # Tested	831 / 2,513	1,570 / 2,700
# Positive Mosquito Pools / # Tested	1,562 / 20,943	2,308 / 19,682
# Seroconversions / # Tested	229 / 11,364	184 / 10,106

TESTING SUMMARIES

Humans

		WNV		WEEV		SLEV	
		Local	Imported	Local	Imported	Local	Imported
Human Cases	Week	36	0	0	0	0	0
	YTD	93	0	0	0	0	0

Dead Birds

		Number Tested	WNV Positive
Dead Birds	Week	209	160
	YTD	2,700	1,570

Chickens & Mosquitoes

		Number Tested	WNV Positive	SLEV Positive	WEEV Positive
Chicken Sera	Week	635	55	0	0
	YTD	10,106	184	0	0
Mosquito Pools	Week	1,331	267	0	0
	YTD	19,682	2,308	0	0

NEW POSITIVES

Dead Birds

County	Agency	City	Zip	Species	Reported	Virus	Method
Alameda	Alameda Co MAD	Fremont	94538	American Crow	8/19/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	8/14/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	8/21/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	Western Scrub-Jay	8/19/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94551	American Crow	8/18/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94551	American Crow	8/19/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94551	American Crow	8/20/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94551	American Robin	8/13/2014	WNV	RT-PCR
Alameda	Alameda Co MAD	Pleasanton	94566	American Crow	8/19/2014	WNV	RAMP
Butte	Butte Co MVCD	Chico	95926	American Crow	8/6/2014	WNV	RT-PCR
Butte	Butte Co MVCD	Chico	95926	Western Scrub-Jay	8/7/2014	WNV	RT-PCR
Butte	Butte Co MVCD	Chico	95926	Western Scrub-Jay	8/18/2014	WNV	RT-PCR
Butte	Butte Co MVCD	Chico	95928	Sparrow	8/4/2014	WNV	RT-PCR
Butte	Butte Co MVCD	Chico	95928	Western Scrub-Jay	8/7/2014	WNV	RT-PCR
Butte	Butte Co MVCD	Gridley	95948	Western Scrub-Jay	8/12/2014	WNV	RT-PCR

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Butte	Butte Co MVCD	Oroville	95965	Western Scrub-Jay	8/13/2014	WNV	RT-PCR
Contra Costa	Contra Costa MVCD	Concord	94518	American Crow	8/20/2014	WNV	RAMP
Contra Costa	Contra Costa MVCD	Walnut Creek	94597	American Crow	8/21/2014	WNV	RAMP
Lake	Lake Co VCD	Clearlake	95422	House Sparrow	8/19/2014	WNV	RT-PCR
Lake	Lake Co VCD	Lucerne	95458	American Crow	8/14/2014	WNV	RT-PCR
Los Angeles	Greater L.A. Co VCD - SFS	Cerritos	90703	American Crow	8/4/2014	WNV	RT-PCR
Los Angeles	Greater L.A. Co VCD - SFS	Cerritos	90703	American Crow	8/14/2014	WNV	RT-PCR
Los Angeles	Greater L.A. Co VCD - SFS	Long Beach	90808	American Crow	8/7/2014	WNV	RT-PCR
Los Angeles	Greater L.A. Co VCD - SFS	West Hills	91307	American Crow	8/12/2014	WNV	RT-PCR
Los Angeles	Los Angeles Co West VCD	Culver City	90230	American Crow	8/17/2014	WNV	RT-PCR
Los Angeles	Los Angeles Co West VCD	Los Angeles	90047	American Crow	8/20/2014	WNV	RT-PCR
Los Angeles	Los Angeles Co West VCD	Los Angeles	90064	American Crow	8/14/2014	WNV	RT-PCR
Los Angeles	Los Angeles Co West VCD	Torrance	90504	American Crow	8/19/2014	WNV	RT-PCR
Los Angeles	Los Angeles Co West VCD	Westchester	90045	American Crow	8/19/2014	WNV	RT-PCR
Napa	Napa Co MAD	Saint Helena	94574	American Crow	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92804	American Crow	8/9/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92805	Unknown	8/19/2014	WNV	RT-PCR
Orange	Orange Co VCD	Brea	92821	House Sparrow	8/12/2014	WNV	RT-PCR
Orange	Orange Co VCD	Buena Park	90620	American Crow	8/12/2014	WNV	RT-PCR
Orange	Orange Co VCD	Buena Park	90620	American Crow	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Buena Park	92620	American Crow	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Costa Mesa	92626	American Crow	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Costa Mesa	92626	American Crow	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Costa Mesa	92627	House Finch	8/12/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fountain Valley	92708	House Finch	8/15/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fullerton	92835	Lesser Goldfinch	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Garden Grove	92840	American Crow	8/13/2014	WNV	RT-PCR
Orange	Orange Co VCD	Garden Grove	92840	American Crow	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Garden Grove	92841	Cooper's Hawk	8/12/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92646	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92647	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92647	American Crow	8/13/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92648	American Crow	8/13/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92648	American Crow	8/13/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92649	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92649	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Huntington Beach	92649	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Irvine	92612	American Crow	8/12/2014	WNV	RT-PCR
Orange	Orange Co VCD	Irvine	92618	American Crow	8/6/2014	WNV	RT-PCR
Orange	Orange Co VCD	Irvine	92618	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Irvine	92618	American Crow	8/15/2014	WNV	RT-PCR
Orange	Orange Co VCD	Los Alamitos	90720	American Crow	8/13/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92865	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92865	American Crow	8/13/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92865	American Crow	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92866	American Crow	8/13/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92867	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92868	American Crow	8/14/2014	WNV	RT-PCR
Orange	Orange Co VCD	Placentia	92780	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92701	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92703	American Crow	8/13/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92704	American Crow	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92704	American Crow	8/19/2014	WNV	RT-PCR

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Orange	Orange Co VCD	Santa Ana	92705	American Crow	8/14/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92706	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92707	American Crow	8/12/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92707	American Crow	8/14/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92707	American Crow	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92707	American Crow	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92707	American Crow	8/19/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92780	House Finch	8/8/2014	WNV	RT-PCR
Orange	Orange Co VCD	Tustin	92782	American Crow	8/19/2014	WNV	RT-PCR
Orange	Orange Co VCD	Westminster	90720	American Crow	8/11/2014	WNV	RT-PCR
Orange	Orange Co VCD	Westminster	92683	American Crow	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Yorba Linda	92866	Rock Dove	8/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Yorba Linda	92886	Domestic Chicken	8/18/2014	WNV	RT-PCR
Placer	Placer MVCD	Granite Bay	95746	Unknown	8/18/2014	WNV	RT-PCR
Placer	Placer MVCD	Lincoln	95648	House Finch	8/18/2014	WNV	RT-PCR
Placer	Placer MVCD	Loomis	95650	House Finch	8/7/2014	WNV	RT-PCR
Placer	Placer MVCD	Roseville	95678	American Crow	8/13/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	American Crow	8/18/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Citrus Heights	95621	Western Scrub-Jay	8/12/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	Western Scrub-Jay	8/12/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95757	Western Scrub-Jay	8/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Fair Oaks	95628	American Crow	8/15/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Galt	95632	American Crow	8/12/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Galt	95632	Western Scrub-Jay	8/18/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95821	American Crow	8/13/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	8/17/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	8/18/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95828	Western Scrub-Jay	8/12/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95833	Yellow-billed Magpie	8/15/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Wilton	95693	American Crow	8/19/2014	WNV	RT-PCR
San Mateo	San Mateo Co MAD	South San Francisco	94080	House Finch	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	8/15/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	8/15/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	8/15/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	8/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	Western Scrub-Jay	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Altos	94024	American Crow	8/12/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Gatos	95032	American Crow	8/11/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Milpitas	95035	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Monte Sereno	95030	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Mountain View	94040	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Mountain View	94040	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Mountain View	94043	American Crow	8/11/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	8/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	8/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	8/19/2014	WNV	RT-PCR

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Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	8/19/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	8/15/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	8/19/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	8/19/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95128	Western Scrub-Jay	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	8/18/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	8/19/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95130	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	American Crow	8/12/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	American Crow	8/15/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	American Crow	8/15/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95051	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Saratoga	95070	American Crow	8/12/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Saratoga	95070	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Saratoga	95070	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Saratoga	95070	Western Scrub-Jay	8/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	8/13/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	8/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	8/15/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	8/16/2014	WNV	RT-PCR
Sonoma	Marin-Sonoma MVCD	Sebastopol	95472	American Crow	8/17/2014	WNV	RT-PCR
Stanislaus	East Side MAD	Salida	95368	Western Scrub-Jay	8/11/2014	WNV	RT-PCR
Stanislaus	Turlock MAD	Patterson	95363	American Crow	8/13/2014	WNV	RT-PCR
Stanislaus	Turlock MAD	Turlock	95380	Yellow-billed Magpie	8/14/2014	WNV	RT-PCR
Stanislaus	Turlock MAD	Turlock	95382	American Crow	8/14/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95618	American Crow	8/13/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95618	Western Scrub-Jay	8/12/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95618	Western Scrub-Jay	8/14/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Woodland	95695	Western Scrub-Jay	8/15/2014	WNV	RT-PCR
Yuba	Sutter-Yuba MVCD	Olivehurst	95961	Western Scrub-Jay	8/14/2014	WNV	RT-PCR

Mosquitoes

County	Site Code	Pool #	City	Species	# in Pool	Trap	Collected	Virus	Method
Alameda	ALCO217	134	Livermore	Cx. pipiens	5	CO2	8/13/2014	WNV	RTPCR
Alameda	ALCO217	141	Livermore	Cx. pipiens	27	CO2	8/14/2014	WNV	RTPCR
Butte	BUCO9	141	Chico	Cx. tarsalis	50	CO2	8/11/2014	WNV	RTPCR
Butte	BUCO9	142	Chico	Cx. tarsalis	50	CO2	8/11/2014	WNV	RTPCR
Butte	BUCO9	143	Chico	Cx. tarsalis	50	CO2	8/11/2014	WNV	RTPCR
Butte	BUCO9	145	Chico	Cx. tarsalis	50	CO2	8/11/2014	WNV	RTPCR
Contra Costa	CNTR2972	322	Discovery Bay	Cx. pipiens	9	CO2	8/20/2014	WNV	RAMP
Contra Costa	CNTR5525	307	Byron	Cx. pipiens	50	CO2	8/19/2014	WNV	RAMP
Contra Costa	CNTR5525	310	Byron	Cx. tarsalis	50	CO2	8/19/2014	WNV	RAMP

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Contra Costa	CNTR5525	311	Byron	Cx. tarsalis	43	CO2	8/19/2014	WNV	RAMP
Contra Costa	CNTR5526	299	Byron	Cx. pipiens	50	CO2	8/19/2014	WNV	RAMP
Contra Costa	CNTR8202	278	Discovery Bay	Cx. pipiens	25	CO2	8/18/2014	WNV	RTPCR
Fresno	CNSL1545	98	Clovis	Cx. quinquefasciatus	40	GRVD	8/14/2014	WNV	RTPCR
Fresno	CNSL2386	452	Sanger	Cx. quinquefasciatus	23	GRVD	8/14/2014	WNV	RTPCR
Fresno	CNSL2386	453	Sanger	Cx. quinquefasciatus	50	CO2	8/14/2014	WNV	RTPCR
Fresno	CNSL3076	456	Orange Cove	Cx. quinquefasciatus	35	GRVD	8/19/2014	WNV	RTPCR
Fresno	CNSL3135	451	Orange Cove	Cx. quinquefasciatus	50	GRVD	8/13/2014	WNV	RTPCR
Fresno	CNSL4074	455	Selma	Cx. quinquefasciatus	50	GRVD	8/15/2014	WNV	RTPCR
Fresno	CNSL4084	454	Selma	Cx. quinquefasciatus	50	GRVD	8/15/2014	WNV	RTPCR
Fresno	FRWS2105	117	Dos Palos	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
Fresno	FRWS400010	110	Mendota	Cx. tarsalis	25	CO2	8/19/2014	WNV	RTPCR
Glenn	BUCO47	138	Hamilton City	Cx. tarsalis	50	CO2	8/11/2014	WNV	RTPCR
Glenn	BUCO47	139	Hamilton City	Cx. tarsalis	50	CO2	8/11/2014	WNV	RTPCR
Glenn	BUCO47	140	Hamilton City	Cx. tarsalis	50	CO2	8/11/2014	WNV	RTPCR
Kern	DLNO37	89	Delano	Cx. quinquefasciatus	50	GRVD	8/19/2014	WNV	RTPCR
Kern	DLNO51	90	McFarland	Cx. quinquefasciatus	50	GRVD	8/19/2014	WNV	RTPCR
Kern	DLNO80	88	McFarland	Cx. quinquefasciatus	50	GRVD	8/19/2014	WNV	RTPCR
Kern	KERN1137	427	Bakersfield	Cx. tarsalis	50	CO2	8/15/2014	WNV	RTPCR
Kern	KERN1144	414	Bakersfield	Cx. quinquefasciatus	43	CO2	8/13/2014	WNV	RTPCR
Kern	KERN1144	415	Bakersfield	Cx. tarsalis	30	CO2	8/13/2014	WNV	RTPCR
Kern	KERN156	411	Butttonwillow	Cx. tarsalis	36	CO2	8/12/2014	WNV	RTPCR
Kern	KERN2040	400	Arvin	Cx. quinquefasciatus	40	GRVD	8/12/2014	WNV	RTPCR
Kern	KERN2042	399	Lamont	Cx. quinquefasciatus	16	GRVD	8/12/2014	WNV	RTPCR
Kern	KERN2051	423	Bakersfield	Cx. quinquefasciatus	38	GRVD	8/15/2014	WNV	RTPCR
Kern	KERN3022	421	Wasco	Cx. tarsalis	50	CO2	8/14/2014	WNV	RTPCR
Kern	KERN3023	407	Wasco	Cx. quinquefasciatus	50	CO2	8/12/2014	WNV	RTPCR
Kern	KERN3031	422	Shafter	Cx. quinquefasciatus	50	CO2	8/14/2014	WNV	RTPCR
Kern	KERN43	418	Shafter	Cx. quinquefasciatus	50	CO2	8/14/2014	WNV	RTPCR
Lake	LAKE1404	567	Lakeport	Cx. stigmatosoma	15	REST	8/12/2014	WNV	RTPCR
Lake	LAKE1508	564	Kelseyville	Cx. stigmatosoma	17	REST	8/13/2014	WNV	RTPCR
Lake	LAKE202	599	Cobb	Cx. tarsalis	50	CO2	8/20/2014	WNV	RTPCR
Lake	LAKE305	590	Hidden Valley Lake	Cx. tarsalis	19	CO2	8/20/2014	WNV	RTPCR
Lake	LAKE315	572	Kelseyville	Cx. stigmatosoma	24	REST	8/15/2014	WNV	RTPCR
Lake	LAKE317	574	Kelseyville	Cx. stigmatosoma	20	REST	8/15/2014	WNV	RTPCR
Lake	LAKE325	582	Upper Lake	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
Lake	LAKE327	581	Upper Lake	Cx. tarsalis	33	CO2	8/19/2014	WNV	RTPCR
Lake	LAKE328	578	Upper Lake	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
Lake	LAKE80	586	Upper Lake	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
Lake	LAKE94	583	Upper Lake	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
Los Angeles	ANTV5842	48	Lancaster	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
Los Angeles	ANTV7263	42	Lancaster	Cx. quinquefasciatus	39	GRVD	8/19/2014	WNV	RTPCR
Los Angeles	GRLA2017	5596	Toluca Lake	Cx. quinquefasciatus	50	GRVD	8/15/2014	WNV	RTPCR
Los Angeles	GRLA2021	5587	Reseda	Cx. quinquefasciatus	50	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA2023	5588	Reseda	Cx. quinquefasciatus	42	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA2031	5590	Northridge	Cx. quinquefasciatus	50	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA2032	5589	Northridge	Cx. quinquefasciatus	50	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA2034	5585	Tarzana	Cx. quinquefasciatus	50	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA2081	528	Lynwood	Cx. quinquefasciatus	49	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA2097	507	La Mirada	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Los Angeles	GRLA2166	502	Montebello	Cx. quinquefasciatus	35	GRVD	8/12/2014	WNV	RTPCR
Los Angeles	GRLA2247	504	Pico Rivera	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Los Angeles	GRLA2268	512	Cerritos	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Los Angeles	GRLA2414	5581	Granada Hills	Cx. quinquefasciatus	29	GRVD	8/14/2014	WNV	RTPCR

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Los Angeles	GRLA2416	5576	Panorama City	Cx. quinquefasciatus	19	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA2419	5578	Panorama City	Cx. quinquefasciatus	50	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA2552	5567	Glendale	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Los Angeles	GRLA2555	5584	Encino	Cx. quinquefasciatus	50	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA2574	5571	Sherman Oaks	Cx. quinquefasciatus	50	GRVD	8/13/2014	WNV	RTPCR
Los Angeles	GRLA2580	5570	Sherman Oaks	Cx. quinquefasciatus	46	GRVD	8/13/2014	WNV	RTPCR
Los Angeles	GRLA2635	5583	Van Nuys	Cx. quinquefasciatus	50	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA2636	5582	Van Nuys	Cx. quinquefasciatus	50	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA2650	5574	Encino	Cx. quinquefasciatus	46	GRVD	8/13/2014	WNV	RTPCR
Los Angeles	GRLA2651	5572	Encino	Cx. quinquefasciatus	50	GRVD	8/13/2014	WNV	RTPCR
Los Angeles	GRLA2655	5573	Encino	Cx. quinquefasciatus	50	GRVD	8/13/2014	WNV	RTPCR
Los Angeles	GRLA2952	506	South Whittier(LA County)	Cx. quinquefasciatus	47	GRVD	8/12/2014	WNV	RTPCR
Los Angeles	GRLA2953	509	Santa Fe Springs	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Los Angeles	GRLA2955	510	Cerritos	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Los Angeles	GRLA3035	5577	North Hills	Cx. quinquefasciatus	50	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA3040	508	La Mirada	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Los Angeles	GRLA3041	511	Artesia	Cx. quinquefasciatus	46	GRVD	8/12/2014	WNV	RTPCR
Los Angeles	GRLA3048	503	Pico Rivera	Cx. quinquefasciatus	27	GRVD	8/12/2014	WNV	RTPCR
Los Angeles	GRLA3054	523	Bell Gardens	Cx. quinquefasciatus	20	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA3055	525	Maywood	Cx. quinquefasciatus	50	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA3058	529	Lynwood	Cx. quinquefasciatus	33	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA3059	531	Paramount	Cx. quinquefasciatus	50	GRVD	8/14/2014	WNV	RTPCR
Los Angeles	GRLA3063	518	Watts	Cx. quinquefasciatus	40	GRVD	8/13/2014	WNV	RTPCR
Los Angeles	GRLA3069	5599	Valley Village	Cx. quinquefasciatus	50	GRVD	8/15/2014	WNV	RTPCR
Los Angeles	GRLA3076	5602	Valley Glen	Cx. quinquefasciatus	50	GRVD	8/15/2014	WNV	RTPCR
Los Angeles	GRLA3102	5597	Studio City	Cx. quinquefasciatus	50	GRVD	8/15/2014	WNV	RTPCR
Los Angeles	LACW1004	141	Lawndale	Cx. quinquefasciatus	50	GRVD	8/13/2014	WNV	RTPCR
Los Angeles	LACW1012	139	Venice	Cx. quinquefasciatus	50	GRVD	8/13/2014	WNV	RTPCR
Los Angeles	LACW1026	143	Beverly Hills	Cx. quinquefasciatus	28	GRVD	8/13/2014	WNV	RTPCR
Los Angeles	LACW1049	133	Inglewood	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Madera	MADR1018	116		Cx. tarsalis	50	CO2	8/15/2014	WNV	RTPCR
Madera	MADR12	112		Cx. quinquefasciatus	28	CO2	8/14/2014	WNV	RTPCR
Madera	MADR205	111	Madera	Cx. tarsalis	17	CO2	8/14/2014	WNV	RTPCR
Madera	MADR208	109	Madera	Cx. tarsalis	50	CO2	8/12/2014	WNV	RTPCR
Madera	MADR227	117	Madera	Cx. quinquefasciatus	50	CO2	8/15/2014	WNV	RTPCR
Madera	MADR237	114	Madera	Cx. quinquefasciatus	50	CO2	8/15/2014	WNV	RTPCR
Madera	MADR237	115	Madera	Cx. tarsalis	50	CO2	8/15/2014	WNV	RTPCR
Orange	ORCO1	1302	Irvine	Cx. quinquefasciatus	5	GRVD	8/14/2014	WNV	RTPCR
Orange	ORCO1008	1298	Fullerton	Cx. quinquefasciatus	17	CO2	8/14/2014	WNV	RTPCR
Orange	ORCO1008	1335	Fullerton	Cx. quinquefasciatus	6	CO2	8/15/2014	WNV	RTPCR
Orange	ORCO1008	1338	Fullerton	Cx. quinquefasciatus	8	CO2	8/19/2014	WNV	RTPCR
Orange	ORCO1009	1251	Garden Grove	Cx. quinquefasciatus	47	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO1015	1252	Orange	Cx. quinquefasciatus	4	CO2	8/12/2014	WNV	RTPCR
Orange	ORCO1015	1253	Orange	Cx. quinquefasciatus	50	CO2	8/12/2014	WNV	RTPCR
Orange	ORCO1025	1331	Costa Mesa	Cx. quinquefasciatus	5	GRVD	8/14/2014	WNV	RTPCR
Orange	ORCO130	1249	Garden Grove	Cx. quinquefasciatus	26	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO130	1250	Garden Grove	Cx. quinquefasciatus	27	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO168	1339	Santa Ana	Cx. quinquefasciatus	25	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO169	1349	Orange	Cx. quinquefasciatus	36	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO17	1257	Orange	Cx. quinquefasciatus	12	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO17	1341	Orange	Cx. quinquefasciatus	47	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO170	1267	Anaheim	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO170	1268	Anaheim	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR

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Orange	ORCO170	1269	Anaheim	Cx. quinquefasciatus	20	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO170	1364	Anaheim	Cx. quinquefasciatus	48	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO198	1273	La Habra	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO198	1275	La Habra	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO198	1276	La Habra	Cx. quinquefasciatus	42	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO198	1365	La Habra	Cx. quinquefasciatus	50	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO198	1366	La Habra	Cx. quinquefasciatus	50	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO198	1368	La Habra	Cx. quinquefasciatus	50	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO2	1262	Fullerton	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO2	1263	Fullerton	Cx. quinquefasciatus	45	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO2	1354	Fullerton	Cx. quinquefasciatus	50	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO2	1355	Fullerton	Cx. quinquefasciatus	43	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO202	1261	Fullerton	Cx. quinquefasciatus	47	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO202	1362	Fullerton	Cx. quinquefasciatus	8	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO205	1259	Tustin	Cx. quinquefasciatus	50	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO205	1260	Tustin	Cx. quinquefasciatus	11	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO205	1347	Tustin	Cx. quinquefasciatus	50	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO205	1348	Tustin	Cx. quinquefasciatus	49	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO216	1322	Orange	Cx. quinquefasciatus	10	CO2	8/14/2014	WNV	RTPCR
Orange	ORCO217	1258	Santa Ana	Cx. quinquefasciatus	18	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO218	1345	Anaheim	Cx. quinquefasciatus	30	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO218	1346	Anaheim	Cx. quinquefasciatus	27	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO218	1351	Anaheim	Cx. quinquefasciatus	41	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO218	1370	Anaheim	Cx. quinquefasciatus	38	GRVD	8/20/2014	WNV	RTPCR
Orange	ORCO219	1344	Irvine	Cx. quinquefasciatus	33	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO29	1315	Santa Ana	Cx. quinquefasciatus	11	CO2	8/14/2014	WNV	RTPCR
Orange	ORCO3	1248	Garden Grove	Cx. quinquefasciatus	3	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO3	1277	Garden Grove	Cx. quinquefasciatus	50	GRVD	8/13/2014	WNV	RTPCR
Orange	ORCO3	1278	Garden Grove	Cx. quinquefasciatus	11	GRVD	8/13/2014	WNV	RTPCR
Orange	ORCO3	1350	Garden Grove	Cx. quinquefasciatus	13	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO34	1265	Brea	Cx. quinquefasciatus	30	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO34	1360	Brea	Cx. quinquefasciatus	45	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO34	1361	Brea	Cx. quinquefasciatus	14	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO36	1353	Cypress	Cx. quinquefasciatus	46	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO50	1271	Buena Park	Cx. quinquefasciatus	34	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO50	1359	Buena Park	Cx. quinquefasciatus	50	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO52	1264	Anaheim	Cx. quinquefasciatus	26	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO7	1283	Seal Beach	Cx. quinquefasciatus	16	GRVD	8/13/2014	WNV	RTPCR
Orange	ORCO82	1270	Cypress	Cx. quinquefasciatus	20	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO82	1357	Cypress	Cx. quinquefasciatus	41	GRVD	8/19/2014	WNV	RTPCR
Orange	ORCO84	1256	Orange	Cx. quinquefasciatus	25	GRVD	8/12/2014	WNV	RTPCR
Orange	ORCO84	1342	Orange	Cx. quinquefasciatus	33	GRVD	8/19/2014	WNV	RTPCR
Placer	PLCR1089	1370	Lincoln	Cx. tarsalis	9	CO2	8/15/2014	WNV	RTPCR
Placer	PLCR1113	1399	Pleasant Grove	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
Placer	PLCR17	1394	Sheridan	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
Placer	PLCR17	1395	Sheridan	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
Placer	PLCR288	1427	Lincoln	Cx. thriambus	1	CO2	8/20/2014	WNV	RTPCR
Placer	PLCR296	1412	Auburn	Cx. tarsalis	4	CO2	8/20/2014	WNV	RTPCR
Placer	PLCR525	1405	Lincoln	Cx. pipiens	13	CO2	8/19/2014	WNV	RTPCR
Placer	PLCR58	1393	Lincoln	Cx. tarsalis	5	CO2	8/19/2014	WNV	RTPCR
Riverside	NWST36	173	Riverside	Cx. quinquefasciatus	34	CO2	8/12/2014	WNV	RTPCR
Riverside	NWST9401	181	Corona	Cx. tarsalis	34	CO2	8/14/2014	WNV	RTPCR
Riverside	RIVR22	432	Murrieta	Cx. erythrothorax	50	CO2	8/12/2014	WNV	RTPCR
Riverside	RIVR30	447	Temecula	Cx. erythrothorax	50	CO2	8/12/2014	WNV	RTPCR

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Riverside	RIVR30	448	Temecula	Cx. erythrothorax	50	CO2	8/12/2014	WNV	RTPCR
Riverside	RIVR30	449	Temecula	Cx. erythrothorax	17	CO2	8/12/2014	WNV	RTPCR
Riverside	RIVR30	453	Temecula	Cx. tarsalis	11	CO2	8/12/2014	WNV	RTPCR
Riverside	RIVR59	465	Hemet	Cx. quinquefasciatus	12	CO2	8/13/2014	WNV	RTPCR
Sacramento	SAYO204018	4913	Citrus Heights	Cx. pipiens	26	GRVD	8/19/2014	WNV	RTPCR
Sacramento	SAYO212021	5038	Sacramento	Cx. pipiens	18	GRVD	8/21/2014	WNV	RTPCR
Sacramento	SAYO214002	5079	Rancho Cordova	Cx. pipiens	2	CO2	8/21/2014	WNV	RTPCR
Sacramento	SAYO214013	4906	Carmichael	Cx. pipiens	38	GRVD	8/19/2014	WNV	RTPCR
Sacramento	SAYO214019	5061	Carmichael	Cx. tarsalis	5	CO2	8/21/2014	WNV	RTPCR
Sacramento	SAYO214019	5062	Carmichael	Cx. pipiens	6	CO2	8/21/2014	WNV	RTPCR
Sacramento	SAYO214026	5089	Rancho Cordova	Cx. pipiens	51	CO2	8/21/2014	WNV	RTPCR
Sacramento	SAYO215018	4924	Folsom	Cx. pipiens	40	GRVD	8/19/2014	WNV	RTPCR
Sacramento	SAYO222011	4848	Sacramento	Cx. pipiens	50	GRVD	8/19/2014	WNV	RTPCR
Sacramento	SAYO222011	4849	Sacramento	Cx. pipiens	50	GRVD	8/19/2014	WNV	RTPCR
Sacramento	SAYO222011	4850	Sacramento	Cx. pipiens	18	GRVD	8/19/2014	WNV	RTPCR
Sacramento	SAYO222032	4839	Sacramento	Cx. tarsalis	1	CO2	8/19/2014	WNV	RTPCR
Sacramento	SAYO222032	4840	Sacramento	Cx. pipiens	2	CO2	8/19/2014	WNV	RTPCR
Sacramento	SAYO222032	4841	Sacramento	Cx. pipiens	13	GRVD	8/19/2014	WNV	RTPCR
Sacramento	SAYO223001	4838	Sacramento	Cx. pipiens	32	GRVD	8/19/2014	WNV	RTPCR
Sacramento	SAYO223012	5060	Sacramento	Cx. pipiens	18	GRVD	8/21/2014	WNV	RTPCR
Sacramento	SAYO224010	5071	Sacramento	Cx. tarsalis	15	CO2	8/21/2014	WNV	RTPCR
Sacramento	SAYO224010	5073	Sacramento	Cx. pipiens	29	CO2	8/21/2014	WNV	RTPCR
Sacramento	SAYO224010	5074	Sacramento	Cx. pipiens	50	GRVD	8/21/2014	WNV	RTPCR
Sacramento	SAYO224010	5075	Sacramento	Cx. pipiens	50	GRVD	8/21/2014	WNV	RTPCR
Sacramento	SAYO224010	5076	Sacramento	Cx. pipiens	6	GRVD	8/21/2014	WNV	RTPCR
Sacramento	SAYO232025	4866	Sacramento	Cx. pipiens	2	CO2	8/19/2014	WNV	RTPCR
Sacramento	SAYO233064	4864	Sacramento	Cx. pipiens	3	GRVD	8/19/2014	WNV	RTPCR
Sacramento	SAYO234007	4888	Elk Grove	Cx. pipiens	9	CO2	8/19/2014	WNV	RTPCR
Sacramento	SAYO234013	4889	Elk Grove	Cx. tarsalis	11	CO2	8/19/2014	WNV	RTPCR
Sacramento	SAYO261003	4925	Isleton	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
Sacramento	SAYO271010	4929	Isleton	Cx. pipiens	7	GRVD	8/19/2014	WNV	RTPCR
San Bernardino	SANB13	271	Highland	Cx. quinquefasciatus	25	CO2	8/14/2014	WNV	RTPCR
San Bernardino	SANB47	265	San Bernardino	Cx. quinquefasciatus	60	CO2	8/13/2014	WNV	RTPCR
San Bernardino	WVAL6004	987	Ontario	Cx. quinquefasciatus	16	GRVD	8/14/2014	WNV	RTPCR
San Bernardino	WVAL6004	989	Ontario	Cx. quinquefasciatus	34	GRVD	8/14/2014	WNV	RTPCR
San Bernardino	WVAL6004	1018	Ontario	Cx. quinquefasciatus	5	GRVD	8/19/2014	WNV	RTPCR
San Bernardino	WVAL6004	1019	Ontario	Cx. quinquefasciatus	10	GRVD	8/19/2014	WNV	RTPCR
San Joaquin	SJCM7021	1206	Stockton	Cx. pipiens	1	GRVD	8/19/2014	WNV	RTPCR
San Joaquin	SJCM7028	1256	Lodi	Cx. pipiens	18	GRVD	8/21/2014	WNV	RTPCR
San Joaquin	SJCM8011	1247	Ripon	Cx. pipiens	24	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8018	1211	Stockton	Cx. pipiens	14	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8018	1212	Stockton	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8018	1213	Stockton	Cx. tarsalis	50	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8027	1245	McDonald Isl. bridge	Cx. tarsalis	30	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8037	1258	Lathrop	Cx. pipiens	6	CO2	8/21/2014	WNV	RTPCR
San Joaquin	SJCM8056	1226	Manteca	Cx. tarsalis	16	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8070	1259	Galt	Cx. tarsalis	50	CO2	8/21/2014	WNV	RTPCR
San Joaquin	SJCM8070	1260	Galt	Cx. tarsalis	10	CO2	8/21/2014	WNV	RTPCR
San Joaquin	SJCM8079	1252	Manteca	Cx. tarsalis	10	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8097	1225	Banta	Cx. tarsalis	5	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8111	1235	Stockton	Cx. erythrothorax	50	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8111	1237	Stockton	Cx. erythrothorax	50	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8143	1209	Stockton	Cx. tarsalis	19	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8160	1220	Lodi	Cx. tarsalis	10	CO2	8/19/2014	WNV	RTPCR

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San Joaquin	SJCM8161	1249	Ripon	Cx. pipiens	50	CO2	8/19/2014	WNV	RTPCR
San Joaquin	SJCM8191	1221	Lodi	Cx. tarsalis	9	CO2	8/19/2014	WNV	RTPCR
San Mateo	SANM457	232	South San Francisco	Cx. pipiens	8	CO2	8/19/2014	WNV	RTPCR
Santa Clara	STCL2663	5429	San Jose	Cx. pipiens	10	CO2	8/16/2014	WNV	RTPCR
Shasta	SHAS116	379	Anderson	Cx. tarsalis	29	CO2	8/14/2014	WNV	RTPCR
Shasta	SHAS159	375	Anderson	Cx. pipiens	45	CO2	8/14/2014	WNV	RTPCR
Shasta	SHAS159	387	Anderson	Cx. pipiens	41	CO2	8/15/2014	WNV	RTPCR
Shasta	SHAS159	389	Anderson	Cx. pipiens	41	CO2	8/15/2014	WNV	RTPCR
Shasta	SHAS80	370	Anderson	Cx. tarsalis	32	CO2	8/14/2014	WNV	RTPCR
Stanislaus	EAST1044	14232	Empire	Cx. pipiens	50	CO2	8/21/2014	WNV	RAMP
Stanislaus	EAST1071	14231	Modesto	Cx. pipiens	18	CO2	8/21/2014	WNV	RAMP
Stanislaus	EAST1078	14226	Riverbank	Cx. pipiens	20	CO2	8/20/2014	WNV	RAMP
Stanislaus	TRLK1301	604	Denair	Cx. pipiens	50	CO2	8/19/2014	WNV	RTPCR
Stanislaus	TRLK1301	605	Denair	Cx. pipiens	50	CO2	8/19/2014	WNV	RTPCR
Stanislaus	TRLK1301	606	Denair	Cx. pipiens	35	CO2	8/19/2014	WNV	RTPCR
Stanislaus	TRLK1310	584	Hughson	Cx. pipiens	18	CO2	8/19/2014	WNV	RTPCR
Stanislaus	TRLK421	574	Hughson	Cx. pipiens	27	CO2	8/19/2014	WNV	RTPCR
Stanislaus	TRLK432	597	Turlock	Cx. pipiens	50	CO2	8/19/2014	WNV	RTPCR
Stanislaus	TRLK432	598	Turlock	Cx. pipiens	50	CO2	8/19/2014	WNV	RTPCR
Stanislaus	TRLK432	599	Turlock	Cx. pipiens	50	CO2	8/19/2014	WNV	RTPCR
Stanislaus	TRLK432	600	Turlock	Cx. tarsalis	36	CO2	8/19/2014	WNV	RTPCR
Stanislaus	TRLK526	567	Denair	Cx. pipiens	50	CO2	8/14/2014	WNV	RTPCR
Stanislaus	TRLK526	568	Denair	Cx. pipiens	50	CO2	8/14/2014	WNV	RTPCR
Stanislaus	TRLK526	569	Denair	Cx. pipiens	50	CO2	8/14/2014	WNV	RTPCR
Stanislaus	TRLK526	572	Denair	Cx. pipiens	46	CO2	8/14/2014	WNV	RTPCR
Stanislaus	TRLK530	594	Turlock	Cx. pipiens	23	CO2	8/19/2014	WNV	RTPCR
Stanislaus	TRLK536	560	Turlock	Cx. pipiens	50	CO2	8/14/2014	WNV	RTPCR
Stanislaus	TRLK536	561	Turlock	Cx. pipiens	50	CO2	8/14/2014	WNV	RTPCR
Stanislaus	TRLK536	592	Turlock	Cx. pipiens	50	CO2	8/19/2014	WNV	RTPCR
Sutter	SUYA24	337	Yuba City	Cx. tarsalis	13	REST	8/18/2014	WNV	RTPCR
Sutter	SUYA63	336	Pennington	Cx. tarsalis	31	REST	8/18/2014	WNV	RTPCR
Yolo	SAYO104006	5141	Dunnigan	Cx. tarsalis	50	CO2	8/21/2014	WNV	RTPCR
Yolo	SAYO116002	5147	Knights Landing	Cx. tarsalis	50	CO2	8/21/2014	WNV	RTPCR
Yolo	SAYO116006	5136	Knights Landing	Cx. pipiens	20	GRVD	8/21/2014	WNV	RTPCR
Yolo	SAYO125010	4953	Woodland	Cx. tarsalis	27	CO2	8/19/2014	WNV	RTPCR
Yolo	SAYO125010	4954	Woodland	Cx. pipiens	12	CO2	8/19/2014	WNV	RTPCR
Yolo	SAYO125010	4955	Woodland	Cx. pipiens	8	GRVD	8/19/2014	WNV	RTPCR
Yolo	SAYO125017	4956	Woodland	Cx. tarsalis	22	CO2	8/19/2014	WNV	RTPCR
Yolo	SAYO125017	4957	Woodland	Cx. pipiens	3	CO2	8/19/2014	WNV	RTPCR
Yolo	SAYO135016	4972	Woodland	Cx. tarsalis	13	GRVD	8/19/2014	WNV	RTPCR
Yolo	SAYO143003	5122	Winters	Cx. pipiens	50	GRVD	8/21/2014	WNV	RTPCR
Yolo	SAYO145017	4974	Davis	Cx. tarsalis	2	GRVD	8/19/2014	WNV	RTPCR
Yuba	SUYA108	340	Plumas Lake	Cx. tarsalis	16	CO2	8/19/2014	WNV	RTPCR

Sentinel Chickens

County	Site Code	City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04	Band 05
Butte	BUCO0001	Chico	8/12/2014	WNV	1101	1104	1105		
Butte	BUCO0002	Oroville	8/12/2014	WNV	1110	1111	1112		
Butte	BUCO0003	Oroville	8/12/2014	WNV	1116	1118			
Butte	BUCO0004	Gridley	8/12/2014	WNV	1123	1124			
Butte	BUCO0005	Honcut	8/12/2014	WNV	1126	1130			
Butte	BUCO0006	Chico	8/12/2014	WNV	1134				

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Butte	BUCO0007	Chico	8/12/2014	WNV	1138					
Colusa	CLSA0001	Colusa	8/12/2014	WNV	1285	1287				
Contra Costa	CNTR5552	Walnut Creek	8/11/2014	WNV	1335	1337	1338			
Contra Costa	CNTR7402	Oakley	8/11/2014	WNV	1318					
Contra Costa	CNTR8152	Knightsen	8/11/2014	WNV	1309					
Glenn	GLEN9701	Willows	8/13/2014	WNV	1387	1388				
Los Angeles	GRLA2223	Rowland Heights	8/7/2014	WNV	1425	1427	1429			
Sacramento	SAYO202019	Rio Linda	8/13/2014	WNV	2643					
Shasta	SHAS9704	Redding	8/14/2014	WNV	2185	2186	2190			
Solano	SOLA0015	Winters	8/12/2014	WNV	1961	1965	1968	1970	1972	
Sonoma	MARN0118	Cloverdale	8/11/2014	WNV	1521					
Sutter	SUYA0014	Sutter	8/14/2014	WNV	2246	2247				
Sutter	SUYA0015	Robbins	8/14/2014	WNV	2229	2230	2231	2232	2235	
Sutter	SUYA0030	Live Oak	8/14/2014	WNV	2255					
Sutter	SUYA0031	Rio Oso	8/14/2014	WNV	2222	2223	2225	2228		
Tehama	TEHA0001	Red Bluff	8/13/2014	WNV	2514	2516	2518			
Tehama	TEHA0100	Corning	8/13/2014	WNV	2529					
Yuba	SUYA0007	Marysville	8/14/2014	WNV	2208	2210	2213			

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.

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