

California Arbovirus Surveillance Bulletin #23

Week 30 Friday, July 25, 2014



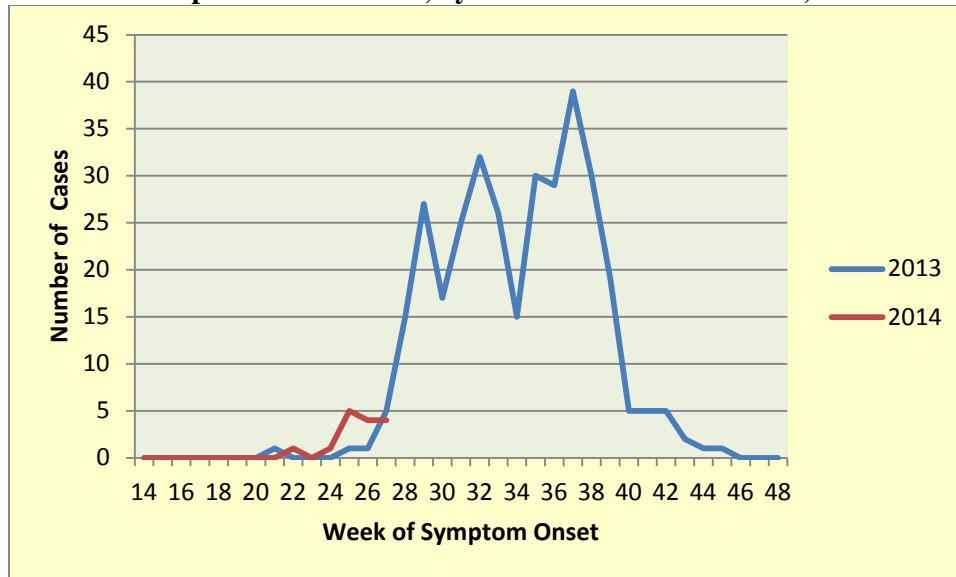
WEEKLY UPDATE

Humans

Four new cases of West Nile virus (WNV) disease have been reported from Fresno (2), Orange (1), and Stanislaus (1) counties. As of July 21, a total of 15 WNV cases have been reported from six counties: Contra Costa (1), Fresno (4), Orange (2), Solano (1), Stanislaus (4), and Tulare (3). Of the 15 case-patients, 13 (87%) had neuroinvasive illness. The median age of the 15 individuals where data are available is 62 years (range: 36-81 years); 10 (67%) of the case-patients are male. Dates of symptom onset range from May 27 to July 4. No WNV-related fatalities have been reported to date this year. In addition, three WNV-positive blood donors have been reported this year; none have developed symptoms. At this time last year, four WNV cases had been reported from three counties.

National Comments: As of July 22, 35 human cases of WNV disease have been reported from 14 states. Of these, 16 (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

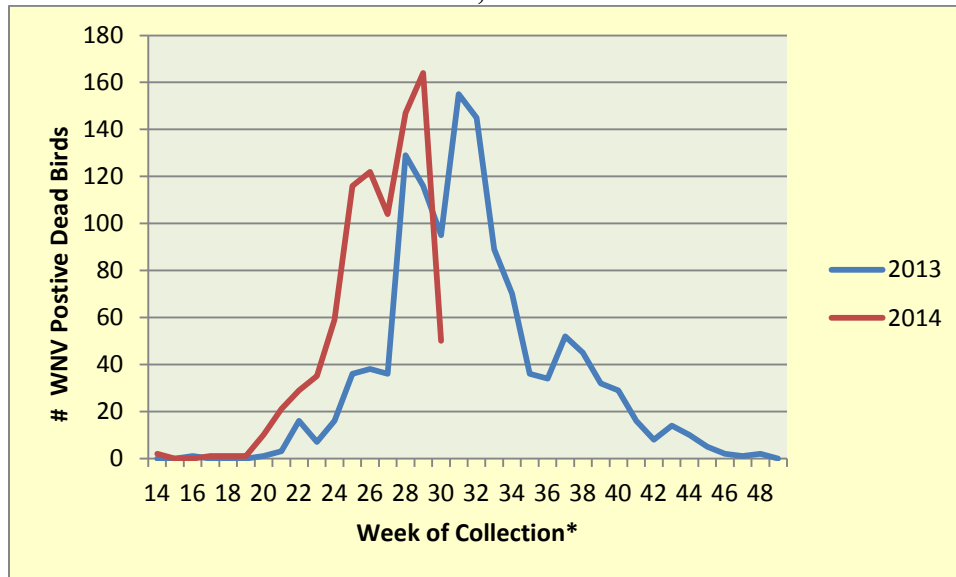
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Dead Birds

A total of 164 WNV positive dead birds were reported this week from the following 23 counties: Alameda (5), Butte (1), Contra Costa (3), Fresno (2), Humboldt (1), Kings (1), Los Angeles (2), Madera (1), Napa (4), Orange (24), Placer (6), Sacramento (31), San Diego (1), San Joaquin (4), San Mateo (2), Santa Clara (58), Solano (3), Sonoma (2), Stanislaus (3), Sutter (2), Tulare (1), Yolo (5), and Yuba (2). **These are the first indications of WNV activity in Humboldt and San Diego counties this year**, and the first WNV positive dead bird detected in Kings County. In 2014, 872 dead birds have tested positive for WNV from 33 counties. At this time last year, 323 WNV positive dead birds had been detected in 30 counties.

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



*Provisional data

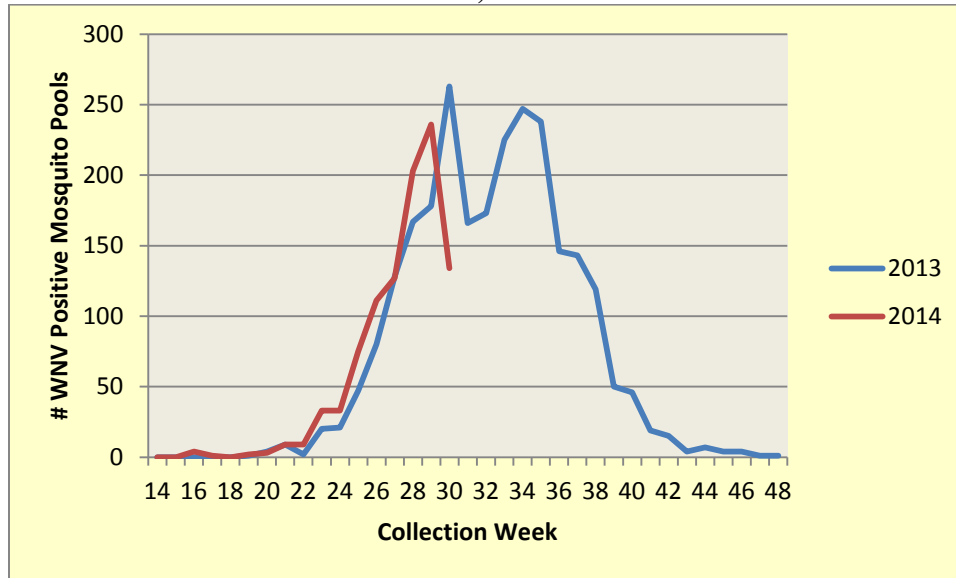
Mosquito Pools

A total of 209 WNV positive mosquito pools were reported this week from the following 20 counties: Alameda (1), Butte (4), Contra Costa (1), Fresno (9), Kern (9), Kings (12), Lake (5), Los Angeles (13), Orange (12), Placer (4), Riverside (1), Sacramento (33), San Bernardino (9), San Joaquin (12), San Mateo (2), Stanislaus (9), Sutter (9), Tulare (38), Yolo (24), and Yuba (2). In 2014, 980 mosquito pools from 27 counties have tested positive for WNV. At this time last year, 761 WNV positive mosquito pools had been reported from 23 counties.

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

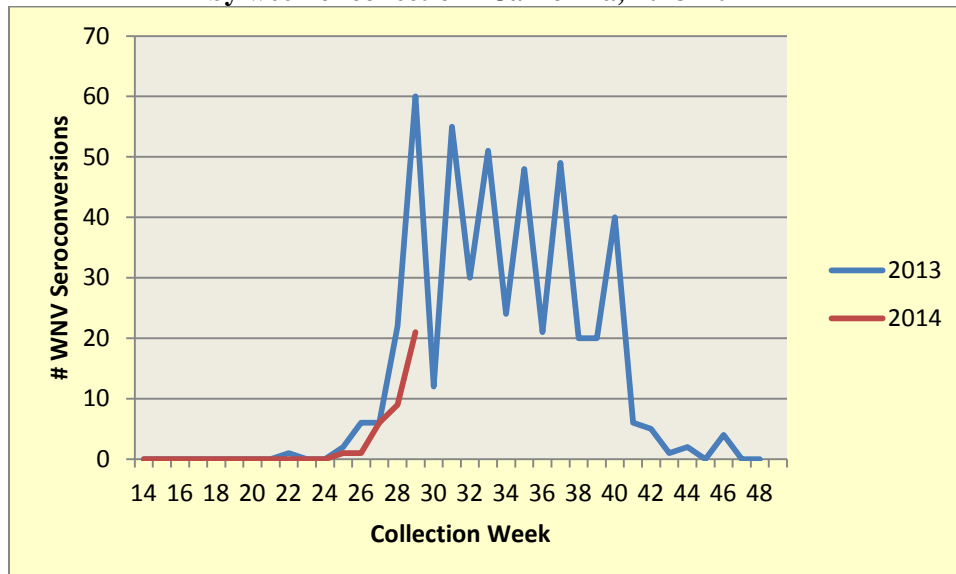


*Provisional data

Sentinel Chickens

A total of 25 new WNV seroconversions were reported this week from 13 flocks located in the following counties: Butte (5), Contra Costa (2), Los Angeles (1), Solano (3), Stanislaus (7), Sutter (2), Tulare (4), and Yuba (1). **These are the first WNV positive chickens reported from Butte, Stanislaus, Sutter, Tulare, and Yuba counties this year.** In 2014, 39 WNV positive chickens have been reported from 16 flocks located in 10 counties. At this time last year, 76 WNV seroconversions had been reported from 28 flocks in 13 counties.

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



*Provisional data

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YTD Activity by Element and County, 2014				
County	Humans*	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda		13	2	
Butte		2	12	5
Colusa		1		
Contra Costa	1	19	7	6
El Dorado		1		
Fresno	4	7	45	
Glenn		1		
Humboldt		1		
Kern		2	30	
Kings		1	36	
Lake		5	18	
Los Angeles		9	32	2
Madera		4	9	
Marin		2	3	
Merced			3	1
Napa		5		
Orange	2	55	81	
Placer		16	27	
Riverside			4	
Sacramento		143	187	
San Bernardino		2	29	5
San Diego		1		
San Joaquin		23	91	
San Mateo		3	3	
Santa Clara		429	17	
Santa Cruz		1		
Shasta		2	6	
Solano	1	27	6	6
Sonoma		8	2	
Stanislaus	4	17	39	7
Sutter		13	26	2
Tulare	3	32	172	4
Ventura		1		
Yolo		21	80	
Yuba		5	13	1
Totals	15	872	980	39

**Total does not include asymptomatic infections*

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2013 & 2014 YTD West Nile Virus Comparisons		
	2013	2014
Total # Dead Bird Reports	8,050	7,037
# Positive Counties	32	35
# Human Cases	4	15
# Positive Dead Birds / # Tested	323 / 1,670	872 / 1,785
# Positive Mosquito Pools / # Tested	761 / 16,500	980 / 13,812
# Seroconversions / # Tested	76 / 8,423	39 / 7,819

TESTING SUMMARIES

Humans

		WNV		WEEV		SLEV	
		Local	Imported	Local	Imported	Local	Imported
Human Cases	Week	4	0	0	0	0	0
	YTD	15	0	0	0	0	0

Dead Birds

		Number Tested	WNV Positive
Dead Birds	Week	227	164
	YTD	1,785	872

Chickens & Mosquitoes

		Number Tested	WNV Positive	SLEV Positive	WEEV Positive
Chicken Sera	Week	456	25	0	0
	YTD	7,819	39	0	0
Mosquito Pools	Week	1,551	209	0	0
	YTD	13,812	980	0	0

NEW POSITIVES

Dead Birds

County	Agency	City	Zip	Species	Reported	Virus	Method
Alameda	Alameda Co MAD	Alameda	94502	American Crow	7/18/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	7/21/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	7/22/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	7/17/2014	WNV	RAMP
Alameda	Alameda Co MAD	Livermore	94550	American Crow	7/21/2014	WNV	RAMP
Butte	Butte Co MVCD	Palermo	95968	Western Scrub-Jay	7/15/2014	WNV	RT-PCR
Contra Costa	Contra Costa MVCD	Brentwood	94513	Western Scrub-Jay	7/17/2014	WNV	RAMP
Contra Costa	Contra Costa MVCD	Concord	94518	Western Scrub-Jay	7/23/2014	WNV	RAMP
Contra Costa	Contra Costa MVCD	Antioch	94531	Western Scrub-Jay	7/21/2014	WNV	RAMP
Fresno	Consolidated MAD	Clovis	93611	American Crow	7/22/2014	WNV	RAMP
Fresno	Consolidated MAD	Fresno	93720	American Crow	7/11/2014	WNV	RAMP
Humboldt	Humboldt Co Env Health	Arcata	95521	Common Raven	7/21/2014	WNV	RT-PCR
Kings	Kings MAD	Lemoore	93245	Western Scrub-Jay	7/18/2014	WNV	RT-PCR
Los Angeles	Greater LA Co VCD - Sylmar	San Marino	91108	American Crow	7/16/2014	WNV	RT-PCR

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Los Angeles	San Gabriel Valley MVCD	Walnut	91789	Sparrow	7/13/2014	WNV	RT-PCR
Madera	Madera Co MVCD	Madera	93637	Western Scrub-Jay	7/15/2014	WNV	RT-PCR
Napa	Napa Co MAD	Napa	94558	Western Scrub-Jay	7/17/2014	WNV	RT-PCR
Napa	Napa Co MAD	Napa	94558	American Crow	7/21/2014	WNV	RT-PCR
Napa	Napa Co MAD	Napa	94558	American Crow	7/21/2014	WNV	RT-PCR
Napa	Napa Co MAD	Napa	94559	American Crow	7/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Cypress	90630	American Crow	7/15/2014	WNV	RT-PCR
Orange	Orange Co VCD	Newport Beach	92660	House Finch	7/22/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92701	American Crow	7/17/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92703	American Crow	7/15/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92704	American Crow	7/15/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92705	American Crow	7/22/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92705	American Crow	7/17/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92706	American Crow	7/16/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92706	American Crow	7/17/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92706	American Crow	7/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92707	American Crow	7/22/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92707	American Crow	7/22/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fountain Valley	92708	American Crow	7/21/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fountain Valley	92708	House Finch	7/18/2014	WNV	RT-PCR
Orange	Orange Co VCD	Tustin	92780	American Crow	7/15/2014	WNV	RT-PCR
Orange	Orange Co VCD	Tustin	92780	American Crow	7/22/2014	WNV	RT-PCR
Orange	Orange Co VCD	Tustin	92780	American Crow	7/21/2014	WNV	RT-PCR
Orange	Orange Co VCD	Anaheim	92802	American Crow	7/22/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fullerton	92831	American Crow	7/20/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fullerton	92832	American Crow	7/16/2014	WNV	RT-PCR
Orange	Orange Co VCD	Fullerton	92832	American Crow	7/17/2014	WNV	RT-PCR
Orange	Orange Co VCD	Garden Grove	92841	American Crow	7/17/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92867	American Crow	7/15/2014	WNV	RT-PCR
Orange	Orange Co VCD	Orange	92869	Western Bluebird	7/21/2014	WNV	RT-PCR
Placer	Placer MVCD	Auburn	95603	Yellow-billed Magpie	7/17/2014	WNV	RT-PCR
Placer	Placer MVCD	Auburn	95603	Yellow-billed Magpie	7/17/2014	WNV	RT-PCR
Placer	Placer MVCD	Auburn	95603	Western Scrub-Jay	7/22/2014	WNV	RT-PCR
Placer	Placer MVCD	Lincoln	95648	Unknown	7/14/2014	WNV	RT-PCR
Placer	Placer MVCD	Loomis	95650	Unknown	7/21/2014	WNV	RT-PCR
Placer	Placer MVCD	Rocklin	95677	American Crow	7/22/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	American Crow	7/18/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	White-breasted Nuthatch	7/17/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	American Crow	7/20/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Citrus Heights	95610	American Crow	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	American Crow	7/19/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elverta	95626	American Crow	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Fair Oaks	95628	Western Scrub-Jay	7/16/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Fair Oaks	95628	Yellow-billed Magpie	7/16/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95670	American Crow	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Rancho Cordova	95670	Yellow-billed Magpie	7/14/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Wilton	95693	Western Scrub-Jay	7/17/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Wilton	95693	American Crow	7/18/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95817	American Crow	7/18/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95818	American Crow	7/17/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95818	Western Scrub-Jay	7/17/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95819	American Crow	7/21/2014	WNV	RT-PCR

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Sacramento	Sacramento-Yolo MVCD	Sacramento	95820	Western Scrub-Jay	7/17/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	7/15/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	House Finch	7/19/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	7/20/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Rosemont	95826	Western Scrub-Jay	7/16/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95826	American Crow	7/18/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95827	American Crow	7/17/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95828	American Crow	7/17/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95828	House Finch	7/17/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	Western Scrub-Jay	7/15/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	Western Scrub-Jay	7/18/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	Western Scrub-Jay	7/17/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95835	American Crow	7/15/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95864	Yellow-billed Magpie	7/16/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95864	Western Scrub-Jay	7/15/2014	WNV	RT-PCR
San Diego	San Diego Co VCP	San Diego	92104	American Crow	7/14/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Stockton	95215	Swainson's Thrush	7/17/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Stockton	95219	Swainson's Thrush	7/21/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Lodi	95240	American Crow	7/21/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Lodi	95240	American Crow	7/23/2014	WNV	RT-PCR
San Mateo	San Mateo Co MAD	Menlo Park	94025	American Crow	7/15/2014	WNV	RT-PCR
San Mateo	San Mateo Co MAD	San Mateo	94401	American Crow	7/22/2014	WNV	RAMP
Santa Clara	Santa Clara Co VCD	Los Altos Hills	94022	American Crow	7/22/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Altos	94024	American Crow	7/21/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94085	American Crow	7/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94085	American Crow	7/19/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	American Crow	7/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	American Crow	7/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	American Crow	7/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	American Crow	7/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	American Crow	7/21/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	7/21/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	7/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	7/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	7/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	7/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	7/18/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	7/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	7/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	7/18/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	7/21/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Gatos	95032	American Crow	7/21/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	American Crow	7/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	American Crow	7/18/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	American Crow	7/21/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	American Crow	7/19/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	American Crow	7/19/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95051	American Crow	7/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95051	American Crow	7/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95051	American Crow	7/15/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95051	American Crow	7/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95051	American Crow	7/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95051	American Crow	7/20/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95054	American Crow	7/18/2014	WNV	RT-PCR

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Santa Clara	Santa Clara Co VCD	Saratoga	95070	American Crow	7/20/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Saratoga	95070	American Crow	7/18/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95116	American Crow	7/16/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95117	American Crow	7/22/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	7/18/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	7/21/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/21/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/21/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/18/2014	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	Western Scrub-Jay	7/14/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/20/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/15/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/21/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/18/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/18/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	7/21/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	7/18/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	7/18/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/17/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/18/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95130	American Crow	7/22/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95136	Western Scrub-Jay	7/22/2014	WNV	RT-PCR
Solano	Solano Co MAD	Fairfield	94533	American Crow	7/11/2014	WNV	RAMP
Solano	Solano Co MAD	Suisun City	94585	American Crow	7/10/2014	WNV	RAMP
Solano	Solano Co MAD	Suisun City	94585	American Crow	7/17/2014	WNV	RAMP
Sonoma	Marin-Sonoma MVCD	Geyserville	95441	American Crow	7/17/2014	WNV	RT-PCR
Sonoma	Marin-Sonoma MVCD	Healdsburg	95448	Steller's Jay	7/21/2014	WNV	RT-PCR
Stanislaus	East Side MAD	Modesto	95357	Western Scrub-Jay	7/16/2014	WNV	RT-PCR
Stanislaus	East Side MAD	Oakdale	95361	Western Scrub-Jay	7/14/2014	WNV	RT-PCR
Stanislaus	Turlock MAD	Turlock	95380	Unknown	7/17/2014	WNV	RT-PCR
Sutter	Sutter-Yuba MVCD	Yuba City	95993	Unknown	7/17/2014	WNV	RT-PCR
Sutter	Sutter-Yuba MVCD	Yuba City	95993	American Crow	7/16/2014	WNV	RT-PCR
Tulare	Delta VCD	Visalia	93292	Finch	7/24/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	7/17/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	7/21/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	7/18/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95618	American Crow	7/18/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Woodland	95695	American Robin	7/18/2014	WNV	RT-PCR
Yuba	Sutter-Yuba MVCD	Olivehurst	95961	Sparrow	7/17/2014	WNV	RT-PCR
Yuba	Sutter-Yuba MVCD	Olivehurst	95961	American Crow	7/18/2014	WNV	RT-PCR

Mosquitoes

County	Site Code	Pool #	City	Species	# in Pool	Trap	Collected	Virus	Method
Alameda	ALCO214	43	Livermore	Cx. tarsalis	9	CO2	7/15/2014	WNV	RT-PCR
Butte	BUCO29	98	Dayton	Cx. tarsalis	50	CO2	7/16/2014	WNV	RT-PCR

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Butte	BUCO29	99	Dayton	Cx. tarsalis	50	CO2	7/16/2014	WNV	RTPCR
Butte	BUCO29	100	Dayton	Cx. tarsalis	50	CO2	7/16/2014	WNV	RTPCR
Butte	BUCO38	85	Oroville	Cx. tarsalis	50	CO2	7/14/2014	WNV	RTPCR
Contra Costa	CNTR8634	215	Byron	Cx. tarsalis	41	CO2	7/23/2014	WNV	RAMP
Fresno	CNSL1381	399	Fresno	Cx. quinquefasciatus	50	GRVD	7/18/2014	WNV	RTPCR
Fresno	CNSL1701	67	Fresno	Cx. quinquefasciatus	50	GRVD	7/16/2014	WNV	RTPCR
Fresno	CNSL1858	398	Fresno	Cx. quinquefasciatus	50	GRVD	7/18/2014	WNV	RTPCR
Fresno	CNSL2374	71	Sanger	Cx. stigmatosoma	50	GRVD	7/22/2014	WNV	RTPCR
Fresno	CNSL3055	386	Reedley	Cx. tarsalis	35	CO2	7/16/2014	WNV	RTPCR
Fresno	CNSL3124	404	Dinuba	Cx. quinquefasciatus	16	GRVD	7/22/2014	WNV	RTPCR
Fresno	CNSL4028	395	Selma	Cx. quinquefasciatus	50	GRVD	7/18/2014	WNV	RTPCR
Fresno	CNSL4028	401	Selma	Cx. quinquefasciatus	50	CO2	7/22/2014	WNV	RTPCR
Fresno	FRWS1202	62	Dos Palos	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Kern	DLNO79	61	McFarland	Cx. quinquefasciatus	40	GRVD	7/22/2014	WNV	RTPCR
Kern	KERN1156	253	Arvin	Cx. tarsalis	21	CO2	7/15/2014	WNV	RTPCR
Kern	KERN2014	265	Bakersfield	Cx. quinquefasciatus	50	GRVD	7/16/2014	WNV	RTPCR
Kern	KERN2016	260	Bakersfield	Cx. quinquefasciatus	29	GRVD	7/16/2014	WNV	RTPCR
Kern	KERN2025	274	Bakersfield	Cx. quinquefasciatus	19	GRVD	7/18/2014	WNV	RTPCR
Kern	KERN2031	275	Bakersfield	Cx. quinquefasciatus	20	GRVD	7/18/2014	WNV	RTPCR
Kern	KERN2034	241	Bakersfield	Cx. quinquefasciatus	38	GRVD	7/15/2014	WNV	RTPCR
Kern	KERN42	282	Bakersfield	Cx. tarsalis	50	CO2	7/18/2014	WNV	RTPCR
Kern	KERN60	259	Bakersfield	Cx. quinquefasciatus	50	CO2	7/15/2014	WNV	RTPCR
Kings	KNGS3022	177	Hanford	Cx. tarsalis	50	CO2	7/16/2014	WNV	RTPCR
Kings	KNGS3033	163	Hanford	Cx. tarsalis	13	CO2	7/16/2014	WNV	RTPCR
Kings	KNGS3079	149	Lemoore	Cx. tarsalis	26	CO2	7/14/2014	WNV	RTPCR
Kings	KNGS3079	189	Lemoore	Cx. pipiens	45	BGSENT	7/16/2014	WNV	RTPCR
Kings	KNGS3092	218	Lemoore	Cx. tarsalis	31	BGSENT	7/18/2014	WNV	RTPCR
Kings	KNGS3105	165		Cx. tarsalis	23	CO2	7/16/2014	WNV	RTPCR
Kings	KNGS4006	155	Hanford	Cx. pipiens	50	BGSENT	7/15/2014	WNV	RTPCR
Kings	KNGS5508	196	Hanford	Cx. tarsalis	13	BGSENT	7/17/2014	WNV	RTPCR
Kings	KNGS5508	197	Hanford	Cx. pipiens	50	BGSENT	7/17/2014	WNV	RTPCR
Kings	KNGS5508	198	Hanford	Cx. pipiens	50	BGSENT	7/17/2014	WNV	RTPCR
Kings	KNGS5508	199	Hanford	Cx. pipiens	50	BGSENT	7/17/2014	WNV	RTPCR
Kings	KNGS8022	167	Lemoore	Cx. tarsalis	50	CO2	7/16/2014	WNV	RTPCR
Lake	LAKE1000	395	Upper Lake	Cx. tarsalis	42	REST	7/21/2014	WNV	RTPCR
Lake	LAKE1508	343	Kelseyville	Cx. stigmatosoma	50	REST	7/17/2014	WNV	RTPCR
Lake	LAKE195	398		Cx. stigmatosoma	27	REST	7/22/2014	WNV	RTPCR
Lake	LAKE302	348	Clear Lake Oaks	Cx. tarsalis	50	CO2	7/16/2014	WNV	RTPCR
Lake	LAKE327	394	Upper Lake	Cx. tarsalis	17	REST	7/21/2014	WNV	RTPCR
Los Angeles	ANTV4374	16	Lancaster	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Los Angeles	ANTV4374	18	Lancaster	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Los Angeles	GRLA2021	5443	Reseda	Cx. quinquefasciatus	50	GRVD	7/15/2014	WNV	RTPCR
Los Angeles	GRLA2032	5445	Northridge	Cx. quinquefasciatus	50	GRVD	7/15/2014	WNV	RTPCR
Los Angeles	GRLA2270	405	Bellflower	Cx. quinquefasciatus	50	GRVD	7/15/2014	WNV	RTPCR
Los Angeles	GRLA2278	428	Long Beach	Cx. quinquefasciatus	50	GRVD	7/18/2014	WNV	RTPCR
Los Angeles	GRLA2890	427	Lakewood	Cx. quinquefasciatus	50	GRVD	7/18/2014	WNV	RTPCR
Los Angeles	GRLA3049	396	Downey	Cx. quinquefasciatus	41	GRVD	7/15/2014	WNV	RTPCR
Los Angeles	GRLA3054	397	Bell Gardens	Cx. quinquefasciatus	30	GRVD	7/15/2014	WNV	RTPCR
Los Angeles	GRLA3074	412	Lincoln Heights	Cx. quinquefasciatus	32	GRVD	7/17/2014	WNV	RTPCR
Los Angeles	LACW1004	97	Lawndale	Cx. quinquefasciatus	50	GRVD	7/16/2014	WNV	RTPCR
Los Angeles	SGVA875	118	walnut	Cx. quinquefasciatus	9	CO2	7/11/2014	WNV	RTPCR
Los Angeles	SGVA875	119	walnut	Cx. tarsalis	16	CO2	7/11/2014	WNV	RTPCR
Orange	ORCO217	859	Santa Ana	Cx. quinquefasciatus	50	GRVD	7/16/2014	WNV	RTPCR
Orange	ORCO217	860	Santa Ana	Cx. quinquefasciatus	50	GRVD	7/16/2014	WNV	RTPCR

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Orange	ORCO217	862	Santa Ana	Cx. quinquefasciatus	45	GRVD	7/16/2014	WNV	RTPCR
Orange	ORCO217	872	Santa Ana	Cx. quinquefasciatus	5	GRVD	7/16/2014	WNV	RTPCR
Orange	ORCO217	886	Santa Ana	Cx. quinquefasciatus	10	CO2	7/16/2014	WNV	RTPCR
Orange	ORCO217	893	Santa Ana	Cx. quinquefasciatus	5	CO2	7/17/2014	WNV	RTPCR
Orange	ORCO217	922	Santa Ana	Cx. quinquefasciatus	41	CO2	7/17/2014	WNV	RTPCR
Orange	ORCO29	894	Santa Ana	Cx. quinquefasciatus	50	CO2	7/17/2014	WNV	RTPCR
Orange	ORCO29	895	Santa Ana	Cx. quinquefasciatus	31	CO2	7/17/2014	WNV	RTPCR
Orange	ORCO29	896	Santa Ana	Cx. quinquefasciatus	17	CO2	7/17/2014	WNV	RTPCR
Orange	ORCO3	861	Garden Grove	Cx. quinquefasciatus	17	GRVD	7/16/2014	WNV	RTPCR
Orange	ORCO3	891	Garden Grove	Cx. quinquefasciatus	46	GRVD	7/17/2014	WNV	RTPCR
Placer	PLCR1113	933	Pleasant Grove	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Placer	PLCR1113	948	Pleasant Grove	Cx. pipiens	30	CO2	7/22/2014	WNV	RTPCR
Placer	PLCR155	901	Sheridan	Cx. tarsalis	6	CO2	7/22/2014	WNV	RTPCR
Placer	PLCR185422	958		Cx. pipiens	40	CO2	7/22/2014	WNV	RTPCR
Riverside	COAV40	841	Mecca	Cx. tarsalis	22	CO2	7/15/2014	WNV	RTPCR
Sacramento	SAYO201009	3383	Sacramento	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO202006	3397	Sacramento	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO202006	3398	Sacramento	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO202006	3399	Sacramento	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO202024	3380	Sacramento, CA	Cx. tarsalis	36	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO202024	3382	Sacramento, CA	Cx. pipiens	23	GRVD	7/24/2014	WNV	RTPCR
Sacramento	SAYO204007	3281	Antelope	Cx. tarsalis	28	CO2	7/22/2014	WNV	RTPCR
Sacramento	SAYO212002	3379	Sacramento	Cx. pipiens	31	GRVD	7/24/2014	WNV	RTPCR
Sacramento	SAYO214011	3274	Fair Oaks	Cx. tarsalis	2	CO2	7/22/2014	WNV	RTPCR
Sacramento	SAYO214013	3273	Carmichael	Cx. pipiens	31	CO2	7/22/2014	WNV	RTPCR
Sacramento	SAYO214019	3294	Carmichael	Cx. tarsalis	1	GRVD	7/22/2014	WNV	RTPCR
Sacramento	SAYO214019	3295	Carmichael	Cx. pipiens	3	CO2	7/22/2014	WNV	RTPCR
Sacramento	SAYO214019	3296	Carmichael	Cx. pipiens	8	GRVD	7/22/2014	WNV	RTPCR
Sacramento	SAYO222032	3501	Sacramento	Cx. pipiens	32	GRVD	7/24/2014	WNV	RTPCR
Sacramento	SAYO224003	3513	Rancho Cordova	Cx. pipiens	6	GRVD	7/24/2014	WNV	RTPCR
Sacramento	SAYO232005	3210	Sacramento	Cx. tarsalis	50	CO2	7/18/2014	WNV	RTPCR
Sacramento	SAYO233001	3342	Elk Grove	Cx. pipiens	14	GRVD	7/22/2014	WNV	RTPCR
Sacramento	SAYO233009	3315	Elk Grove	Cx. pipiens	15	GRVD	7/22/2014	WNV	RTPCR
Sacramento	SAYO234013	3343	Elk Grove	Cx. tarsalis	2	CO2	7/22/2014	WNV	RTPCR
Sacramento	SAYO234013	3344	Elk Grove	Cx. pipiens	26	CO2	7/22/2014	WNV	RTPCR
Sacramento	SAYO235009	3447	Wilton	Cx. tarsalis	10	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO235009	3448	Wilton	Cx. pipiens	3	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO235012	3458	Wilton	Cx. pipiens	32	GRVD	7/24/2014	WNV	RTPCR
Sacramento	SAYO244003	3477	Wilton	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO244003	3478	Wilton	Cx. tarsalis	24	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO244003	3479	Wilton	Cx. tarsalis	4	GRVD	7/24/2014	WNV	RTPCR
Sacramento	SAYO244006	3465	Wilton	Cx. pipiens	35	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO245003	3467	Wilton	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO245006	3471	Wilton	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO245006	3476	Wilton	Cx. pipiens	12	GRVD	7/24/2014	WNV	RTPCR
Sacramento	SAYO254011	3517	Galt	Cx. tarsalis	1	CO2	7/24/2014	WNV	RTPCR
Sacramento	SAYO261003	3321	Isleton	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Sacramento	SAYO261003	3322	Isleton	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
San Bernardino	WVAL1007	799	Ontario	Cx. quinquefasciatus	48	CO2	7/22/2014	WNV	RTPCR
San Bernardino	WVAL2022	788	Fwy CA 60	Cx. quinquefasciatus	15	GRVD	7/22/2014	WNV	RTPCR
San Bernardino	WVAL6004	778	Ontario	Cx. quinquefasciatus	50	GRVD	7/17/2014	WNV	RTPCR
San Bernardino	WVAL6004	779	Ontario	Cx. quinquefasciatus	50	GRVD	7/17/2014	WNV	RTPCR
San Bernardino	WVAL6004	780	Ontario	Cx. quinquefasciatus	50	GRVD	7/17/2014	WNV	RTPCR
San Bernardino	WVAL6004	819	Ontario	Cx. quinquefasciatus	40	GRVD	7/22/2014	WNV	RTPCR

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San Bernardino	WVAL6004	820	Ontario	Cx. quinquefasciatus	41	GRVD	7/22/2014	WNV	RTPCR
San Bernardino	WVAL6004	822	Ontario	Cx. quinquefasciatus	50	GRVD	7/22/2014	WNV	RTPCR
San Bernardino	WVAL6012	797	Ontario	Cx. quinquefasciatus	6	GRVD	7/22/2014	WNV	RTPCR
San Joaquin	SJCM7025	958	Tracy	Cx. pipiens	29	GRVD	7/22/2014	WNV	RTPCR
San Joaquin	SJCM7027	973	Lodi	Cx. pipiens	11	GRVD	7/24/2014	WNV	RTPCR
San Joaquin	SJCM8008	921	Manteca	Cx. tarsalis	48	CO2	7/22/2014	WNV	RTPCR
San Joaquin	SJCM8011	928	Ripon	Cx. pipiens	12	CO2	7/22/2014	WNV	RTPCR
San Joaquin	SJCM8018	918	Stockton	Cx. tarsalis	36	CO2	7/22/2014	WNV	RTPCR
San Joaquin	SJCM8070	967	Galt	Cx. pipiens	8	CO2	7/24/2014	WNV	RTPCR
San Joaquin	SJCM8079	936	Manteca	Cx. tarsalis	16	CO2	7/22/2014	WNV	RTPCR
San Joaquin	SJCM8100	946	Tracy	Cx. tarsalis	45	CO2	7/22/2014	WNV	RTPCR
San Joaquin	SJCM8154	962	Lathrop	Cx. tarsalis	9	CO2	7/24/2014	WNV	RTPCR
San Joaquin	SJCM8160	930	Lodi	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
San Joaquin	SJCM8160	931	Lodi	Cx. tarsalis	24	CO2	7/22/2014	WNV	RTPCR
San Joaquin	SJCM8161	932	Ripon	Cx. tarsalis	14	CO2	7/22/2014	WNV	RTPCR
San Mateo	SANM326	52	Menlo Park	Cx. pipiens	18	CO2	7/17/2014	WNV	RTPCR
San Mateo	SANM9932	70	Portola Valley	Cx. pipiens	4	CO2	7/18/2014	WNV	RTPCR
Stanislaus	EAST1046	14155	Modesto	Cx. pipiens	44	CO2	7/23/2014	WNV	RAMP
Stanislaus	TRLK1105	326	Turlock	Cx. pipiens	41	CO2	7/18/2014	WNV	RTPCR
Stanislaus	TRLK1222	324	Turlock	Cx. pipiens	23	CO2	7/18/2014	WNV	RTPCR
Stanislaus	TRLK1225	331	Turlock	Cx. pipiens	7	CO2	7/22/2014	WNV	RTPCR
Stanislaus	TRLK1313	317	Turlock	Cx. pipiens	4	CO2	7/17/2014	WNV	RTPCR
Stanislaus	TRLK432	332	Turlock	Cx. pipiens	50	CO2	7/22/2014	WNV	RTPCR
Stanislaus	TRLK432	333	Turlock	Cx. pipiens	44	CO2	7/22/2014	WNV	RTPCR
Stanislaus	TRLK516	343	Denair	Cx. pipiens	39	CO2	7/22/2014	WNV	RTPCR
Stanislaus	TRLK526	336	Denair	Cx. pipiens	50	CO2	7/22/2014	WNV	RTPCR
Sutter	SUYA107	232	Live Oak	Cx. tarsalis	50	REST	7/21/2014	WNV	RTPCR
Sutter	SUYA107	233	Live Oak	Cx. tarsalis	50	REST	7/21/2014	WNV	RTPCR
Sutter	SUYA14	249	Sutter	Cx. tarsalis	50	REST	7/22/2014	WNV	RTPCR
Sutter	SUYA16	241	Pleasant Grove	Cx. tarsalis	50	REST	7/21/2014	WNV	RTPCR
Sutter	SUYA24	231	Yuba City	Cx. tarsalis	50	REST	7/21/2014	WNV	RTPCR
Sutter	SUYA24	248	Yuba City	Cx. tarsalis	50	REST	7/22/2014	WNV	RTPCR
Sutter	SUYA30	230	Live Oak	Cx. tarsalis	47	REST	7/21/2014	WNV	RTPCR
Sutter	SUYA44	238	Pleasant Grove	Cx. tarsalis	35	REST	7/21/2014	WNV	RTPCR
Sutter	SUYA63	235	Pennington	Cx. tarsalis	50	REST	7/21/2014	WNV	RTPCR
Tulare	DLTA6407	524	Dinuba	Cx. quinquefasciatus	9	GRVD	7/23/2014	WNV	RTPCR
Tulare	DLTA6519	525	Cutler	Cx. quinquefasciatus	7	GRVD	7/23/2014	WNV	RTPCR
Tulare	DLTA7309	499	Traver	Cx. quinquefasciatus	50	CO2	7/22/2014	WNV	RTPCR
Tulare	DLTA7309	500	Traver	Cx. quinquefasciatus	50	CO2	7/22/2014	WNV	RTPCR
Tulare	DLTA7309	502	Traver	Cx. quinquefasciatus	50	CO2	7/22/2014	WNV	RTPCR
Tulare	DLTA7315	494	Traver	Cx. quinquefasciatus	50	CO2	7/22/2014	WNV	RTPCR
Tulare	DLTA7316	490	Traver	Cx. quinquefasciatus	50	GRVD	7/22/2014	WNV	RTPCR
Tulare	DLTA7316	491	Traver	Cx. quinquefasciatus	50	GRVD	7/22/2014	WNV	RTPCR
Tulare	DLTA7316	493	Traver	Cx. quinquefasciatus	50	GRVD	7/22/2014	WNV	RTPCR
Tulare	DLTA7316	504	Traver	Cx. quinquefasciatus	50	CO2	7/22/2014	WNV	RTPCR
Tulare	DLTA7316	505	Traver	Cx. quinquefasciatus	50	CO2	7/22/2014	WNV	RTPCR
Tulare	DLTA7529	540	Visalia	Cx. quinquefasciatus	47	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA7625	539	Woodlake	Cx. quinquefasciatus	18	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA8324	483	Goshen	Cx. quinquefasciatus	50	GRVD	7/18/2014	WNV	RTPCR
Tulare	DLTA8324	488	Goshen	Cx. quinquefasciatus	10	GRVD	7/18/2014	WNV	RTPCR
Tulare	DLTA8413	528	Visalia	Cx. quinquefasciatus	19	GRVD	7/23/2014	WNV	RTPCR
Tulare	DLTA8419	486	Goshen	Cx. quinquefasciatus	50	GRVD	7/18/2014	WNV	RTPCR
Tulare	DLTA8419	487	Goshen	Cx. quinquefasciatus	20	GRVD	7/18/2014	WNV	RTPCR
Tulare	DLTA8422	534	Goshen	Cx. quinquefasciatus	20	GRVD	7/24/2014	WNV	RTPCR

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Tulare	DLTA8422	536	Goshen	Cx. quinquefasciatus	10	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA8423	530	Visalia	Cx. quinquefasciatus	9	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA8423	531	Visalia	Cx. quinquefasciatus	16	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA8423	532	Visalia	Cx. quinquefasciatus	8	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA8423	533	Visalia	Cx. quinquefasciatus	9	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA8426	519	Visalia	Cx. quinquefasciatus	25	GRVD	7/23/2014	WNV	RTPCR
Tulare	DLTA8427	520	Visalia	Cx. quinquefasciatus	9	GRVD	7/23/2014	WNV	RTPCR
Tulare	DLTA8427	521	Visalia	Cx. quinquefasciatus	7	GRVD	7/23/2014	WNV	RTPCR
Tulare	DLTA8434	464	Visalia	Cx. quinquefasciatus	40	GRVD	7/17/2014	WNV	RTPCR
Tulare	DLTA8436	471	Visalia	Cx. quinquefasciatus	10	GRVD	7/17/2014	WNV	RTPCR
Tulare	DLTA8512	543	Ivanhoe	Cx. quinquefasciatus	42	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA8519	537	Visalia	Cx. quinquefasciatus	34	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA8520	546	Visalia	Cx. quinquefasciatus	8	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA8521	544	Visalia	Cx. quinquefasciatus	10	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA8522	545	Visalia	Cx. quinquefasciatus	8	GRVD	7/24/2014	WNV	RTPCR
Tulare	DLTA8530	467	Visalia	Cx. quinquefasciatus	9	GRVD	7/17/2014	WNV	RTPCR
Tulare	DLTA9411	468	Visalia	Cx. quinquefasciatus	19	GRVD	7/17/2014	WNV	RTPCR
Tulare	DLTA9412	465	Visalia	Cx. quinquefasciatus	14	GRVD	7/17/2014	WNV	RTPCR
Tulare	DLTA9506	466	Visalia	Cx. quinquefasciatus	24	GRVD	7/17/2014	WNV	RTPCR
Yolo	SAYO103007	3360	Dunnigan	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Yolo	SAYO103007	3361	Dunnigan	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Yolo	SAYO114001	3350	Zamora	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Yolo	SAYO115001	3357	Knights Landing	Cx. tarsalis	42	CO2	7/22/2014	WNV	RTPCR
Yolo	SAYO115001	3358	Knights Landing	Cx. pipiens	2	GRVD	7/22/2014	WNV	RTPCR
Yolo	SAYO125005	3407	Woodland	Cx. pipiens	2	GRVD	7/24/2014	WNV	RTPCR
Yolo	SAYO125011	3410	Woodland	Cx. pipiens	8	GRVD	7/24/2014	WNV	RTPCR
Yolo	SAYO125021	3438	Woodland	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Yolo	SAYO125021	3443	Woodland	Cx. pipiens	11	GRVD	7/24/2014	WNV	RTPCR
Yolo	SAYO135006	3536	Woodland	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Yolo	SAYO135006	3537	Woodland	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Yolo	SAYO135006	3538	Woodland	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Yolo	SAYO135006	3539	Woodland	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Yolo	SAYO135006	3541	Woodland	Cx. pipiens	13	CO2	7/24/2014	WNV	RTPCR
Yolo	SAYO135010	3425	Woodland	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Yolo	SAYO135016	3431	Woodland	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Yolo	SAYO145018	3223	Davis	Cx. tarsalis	35	CO2	7/22/2014	WNV	RTPCR
Yolo	SAYO145018	3224	Davis	Cx. pipiens	6	CO2	7/22/2014	WNV	RTPCR
Yolo	SAYO146002	3234	Davis	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Yolo	SAYO146002	3235	Davis	Cx. pipiens	1	CO2	7/22/2014	WNV	RTPCR
Yolo	SAYO146017	3238	Davis	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Yolo	SAYO146017	3241	Davis	Cx. pipiens	14	CO2	7/22/2014	WNV	RTPCR
Yolo	SAYO147013	3530	West Sacramento	Cx. pipiens	31	CO2	7/24/2014	WNV	RTPCR
Yolo	SAYO147013	3531	West Sacramento	Cx. pipiens	1	GRVD	7/24/2014	WNV	RTPCR
Yuba	SUYA7	237	Marysville	Cx. tarsalis	29	REST	7/21/2014	WNV	RTPCR
Yuba	SUYA8	253	Marysville	Cx. tarsalis	24	CO2	7/21/2014	WNV	RTPCR

California Arbovirus Surveillance Bulletin #23

Week 30 Friday, July 25, 2014

Sentinel Chickens

County	Site Code	City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04	Band 05	Band 06
Butte	BUCO0002	Oroville	7/15/2014	WNV	1108					
Butte	BUCO0003	Oroville	7/15/2014	WNV	1114					
Butte	BUCO0006	Chico	7/15/2014	WNV	1131	1132	1136			
Contra Costa	CNTR7402	Oakley	7/14/2014	WNV	1319					
Contra Costa	CNTR8152	Knightsen	7/14/2014	WNV	1310					
Los Angeles	LACW1007	Baldwin Hills	7/17/2014	WNV	1637					
Solano	SOLA0125	Cordelia	7/14/2014	WNV	1975	1979	1980			
Stanislaus	EAST1025	Modesto	7/16/2014	WNV	1374					
Stanislaus	EAST1959	Oakdale	7/18/2014	WNV	1367	1368	1369	1370	1371	1373
Sutter	SUYA0015	Robbins	7/17/2014	WNV	2234					
Sutter	SUYA0031	Rio Oso	7/17/2014	WNV	2226					
Tulare	DLTA8530	Visalia	7/11/2014	WNV	1293	1297	3681	3683		
Yuba	SUYA0007	Marysville	7/17/2014	WNV	2214					

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.westnilemaps.usgs.gov.