

California Arbovirus Surveillance Bulletin #24

Week 31 Friday, August 1, 2014



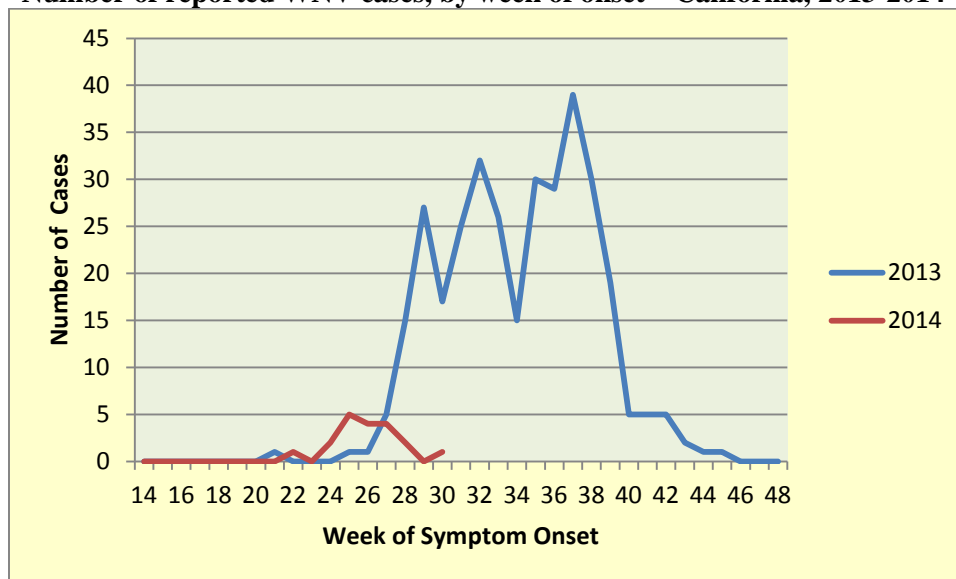
WEEKLY UPDATE

Humans

Four new cases of West Nile virus (WNV) disease have been reported from Butte (1), Kern (1), Orange (1), and Stanislaus (1) counties. These are the first human cases reported from Butte and Kern counties this year. As of July 28, a total of 19 WNV cases have been reported from eight counties: Butte (1), Contra Costa (1), Fresno (4), Kern (1), Orange (3), Solano (1), Stanislaus (5), and Tulare (3). Of the 19 case-patients, 14 (74%) had neuroinvasive illness. The median age of the 19 individuals where data are available is 61 years (range: 26-81 years); 13 (68%) of the case-patients are male. Dates of symptom onset range from May 27 to July 21. No WNV-related fatalities have been reported to date this year. In addition, five WNV-positive blood donors have been reported this year; none have developed symptoms. At this time last year, 14 WNV cases had been reported from six counties.

National Comments: As of July 29, 55 human cases of WNV disease have been reported from 15 states. Of these, 26 (47%) were classified as neuroinvasive disease and three fatalities have been reported.

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



*Provisional data

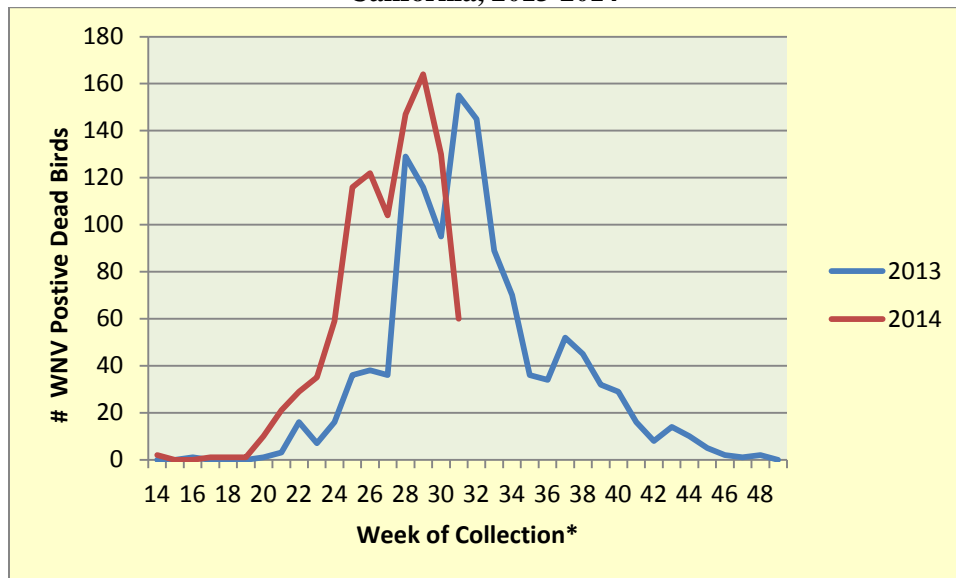
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Dead Birds

A total of 140 WNV positive dead birds were reported this week from the following 14 counties: Alameda (14), Contra Costa (1), Fresno (1), Los Angeles (1), Napa (1), Orange (4), Placer (1), Sacramento (36), San Joaquin (3), Santa Clara (67), Solano (1), Stanislaus (2), Tulare (3), and Yolo (5). In 2014, 1,014 dead birds have tested positive for WNV from 33 counties. At this time last year, 452 WNV positive dead birds had been detected in 31 counties.

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



*Provisional data

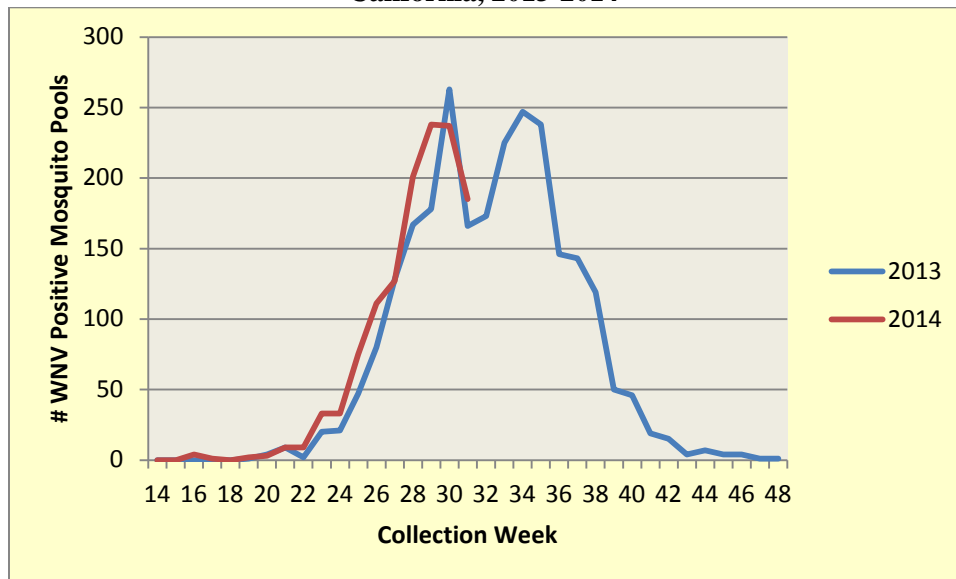
Mosquito Pools

A total of 290 WNV positive mosquito pools were reported this week from the following 24 counties: Alameda (3), Butte (8), Colusa (1), Fresno (9), Glenn (4), Kern (5), Kings (29), Lake (9), Los Angeles (18), Merced (2), Orange (8), Placer (8), Riverside (7), Sacramento (38), San Bernardino (10), San Joaquin (18), San Mateo (2), Santa Clara (5), Shasta (6), Stanislaus (7), Sutter (11), Tulare (40), Yolo (40), and Yuba (2). **These are the first WNV positive mosquito pools reported from Colusa and Glenn counties this year.** In 2014, 1,268 mosquito pools from 29 counties have tested positive for WNV. At this time last year, 1,007 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*

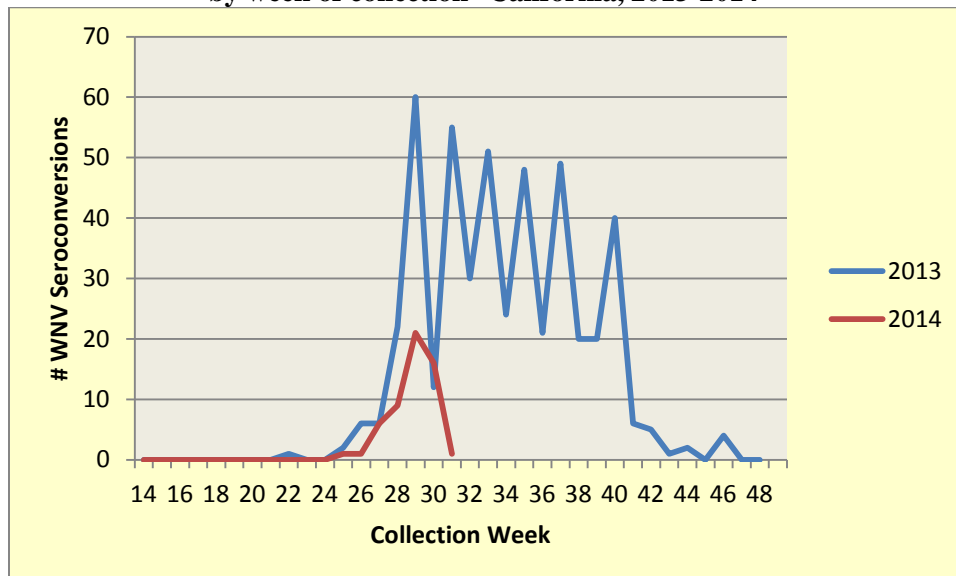


*Provisional data

Sentinel Chickens

A total of 17 new WNV seroconversions were reported this week from 8 flocks located in the following four counties: Butte (1), Lake (1), Los Angeles (12), and San Bernardino (3). **This is the first WNV positive chicken reported from Lake County this year.** In 2014, 56 WNV positive chickens have been reported from 23 flocks located in 11 counties. At this time last year, 98 WNV seroconversions had been reported from 35 flocks in 16 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		27	5	
Butte	1	2	20	6
Colusa		1	1	
Contra Costa	1	20	7	6
El Dorado		1		
Fresno	4	8	54	
Glenn		1	4	
Humboldt		1		
Kern	1	2	35	
Kings		1	65	
Lake		5	27	1
Los Angeles		10	48	14
Madera		4	9	
Marin		2	3	
Merced			5	1
Napa		6		
Orange	3	59	89	
Placer		17	35	
Riverside			11	
Sacramento		179	225	
San Bernardino		2	39	8
San Diego		1		
San Joaquin		26	109	
San Mateo		5	5	
Santa Clara		496	22	
Santa Cruz		1		
Shasta		2	12	
Solano	1	28	6	6
Sonoma		8	2	
Stanislaus	5	19	46	7
Sutter		13	37	2
Tulare	3	35	212	4
Ventura		1		
Yolo		26	120	
Yuba		5	15	1
Totals	19	1,014	1,268	56

**Total does not include asymptomatic infections*

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2013 & 2014 YTD West Nile Virus Comparisons		
	2013	2014
Total # Dead Bird Reports	8,808	7,660
# Positive Counties	33	35
# Human Cases	14	19
# Positive Dead Birds / # Tested	452 / 1,866	1,014 / 1,972
# Positive Mosquito Pools / # Tested	1,007 / 18,095	1,268 / 15,277
# Seroconversions / # Tested	101 / 8,987	56 / 8,394

TESTING SUMMARIES

Humans

		WNV		WEEV		SLEV	
		Local	Imported	Local	Imported	Local	Imported
Human Cases	Week	4	0	0	0	0	0
	YTD	19	0	0	0	0	0

Dead Birds

		Number Tested	WNV Positive
Dead Birds	Week	187	140
	YTD	1,972	1,014

Chickens & Mosquitoes

		Number Tested	WNV Positive	SLEV Positive	WEEV Positive
Chicken Sera	Week	575	17	0	0
	YTD	8,394	56	0	0
Mosquito Pools	Week	1,465	290	0	0
	YTD	15,277	1,268	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

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Los Angeles	Greater L.A. Co VCD - Sylmar	San Marino	91108	American Crow	7/16/2014	WNV	RT-PCR
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	92706	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	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	7/21/2014	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	7/21/2014	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	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

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Mosquitoes

County	Site Code	Pool #	City	Species	# in Pool	Trap	Collected	Virus	Method
Alameda	ALCO214	59	Livermore	Cx. tarsalis	20	CO2	7/28/2014	WNV	RTPCR
Alameda	ALCO214	60	Livermore	Cx. pipiens	28	CO2	7/28/2014	WNV	RTPCR
Alameda	ALCO217	45	Livermore	Cx. pipiens	12	CO2	7/16/2014	WNV	RTPCR
Butte	BUCO27	107	Gridley	Cx. tarsalis	50	CO2	7/23/2014	WNV	RTPCR
Butte	BUCO27	108	Gridley	Cx. tarsalis	50	CO2	7/23/2014	WNV	RTPCR
Butte	BUCO27	109	Gridley	Cx. tarsalis	50	CO2	7/23/2014	WNV	RTPCR
Butte	BUCO37	102	Honcut	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Butte	BUCO37	103	Honcut	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Butte	BUCO37	104	Honcut	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Butte	BUCO60	115	Chico	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Butte	BUCO71	114	Chico	Cx. pipiens	50	CO2	7/30/2014	WNV	RTPCR
Colusa	CLSA1	1	Colusa	Cx. tarsalis	50	OTHER	7/23/2014	WNV	RTPCR
Fresno	CNSL1164	78	Fresno	Cx. quinquefasciatus	50	GRVD	7/25/2014	WNV	RTPCR
Fresno	CNSL1245	81	Clovis	Cx. quinquefasciatus	19	GRVD	7/30/2014	WNV	RTPCR
Fresno	CNSL1267	80	Clovis	Cx. quinquefasciatus	34	GRVD	7/30/2014	WNV	RTPCR
Fresno	CNSL1754	418	Fresno	Cx. quinquefasciatus	50	GRVD	7/30/2014	WNV	RTPCR
Fresno	CNSL1808	419	Clovis	Cx. quinquefasciatus	50	GRVD	7/30/2014	WNV	RTPCR
Fresno	CNSL4161	410	Fowler	Cx. quinquefasciatus	50	GRVD	7/25/2014	WNV	RTPCR
Fresno	CNSL6202	406	Riverdale	Cx. quinquefasciatus	26	CO2	7/23/2014	WNV	RTPCR
Fresno	FRNO4	34	Kerman	Cx. tarsalis	40	CO2	7/22/2014	WNV	RTPCR
Fresno	FRNO86	36	Fresno	Cx. quinquefasciatus	30	CO2	7/24/2014	WNV	RTPCR
Glenn	GLEN822	19	Orland	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Glenn	GLEN9705	11	Sacramento Wildlife	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Glenn	GLEN9706	6	Willows	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Glenn	GLEN9706	9	Willows	Cx. tarsalis	50	CO2	7/22/2014	WNV	RTPCR
Kern	KERN2002	304	Bakersfield	Cx. quinquefasciatus	21	GRVD	7/24/2014	WNV	RTPCR
Kern	KERN2011	300	Bakersfield	Cx. quinquefasciatus	26	GRVD	7/23/2014	WNV	RTPCR
Kern	KERN2024	302	Bakersfield	Cx. quinquefasciatus	50	GRVD	7/24/2014	WNV	RTPCR
Kern	KERN3004	323	Bakersfield	Cx. quinquefasciatus	50	CO2	7/25/2014	WNV	RTPCR
Kern	KERN3004	324	Bakersfield	Cx. tarsalis	35	CO2	7/25/2014	WNV	RTPCR
Kings	CNSL5107	417	Kingsburg	Cx. quinquefasciatus	37	GRVD	7/30/2014	WNV	RTPCR
Kings	KNGS3010	258	Hanford	Cx. pipiens	47	GRVD	7/25/2014	WNV	RTPCR
Kings	KNGS3012	250	Hanford	Cx. pipiens	10	BGSENT	7/24/2014	WNV	RTPCR
Kings	KNGS3018	251	Lemoore	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Kings	KNGS3018	252	Lemoore	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Kings	KNGS3018	253	Lemoore	Cx. tarsalis	29	CO2	7/24/2014	WNV	RTPCR
Kings	KNGS3018	256	Lemoore	Cx. pipiens	50	CO2	7/24/2014	WNV	RTPCR
Kings	KNGS3022	247	Hanford	Cx. pipiens	50	BGSENT	7/24/2014	WNV	RTPCR
Kings	KNGS3022	248	Hanford	Cx. pipiens	50	BGSENT	7/24/2014	WNV	RTPCR
Kings	KNGS3022	249	Hanford	Cx. pipiens	23	BGSENT	7/24/2014	WNV	RTPCR
Kings	KNGS3030	237	Lemoore	Cx. tarsalis	17	CO2	7/22/2014	WNV	RTPCR
Kings	KNGS3042	238	Hanford	Cx. tarsalis	23	BGSENT	7/23/2014	WNV	RTPCR
Kings	KNGS3042	239	Hanford	Cx. pipiens	50	BGSENT	7/23/2014	WNV	RTPCR
Kings	KNGS3069	257	Hanford	Cx. pipiens	34	GRVD	7/25/2014	WNV	RTPCR
Kings	KNGS3102	242	Armona	Cx. tarsalis	50	CO2	7/23/2014	WNV	RTPCR
Kings	KNGS3102	243	Armona	Cx. pipiens	50	CO2	7/23/2014	WNV	RTPCR
Kings	KNGS4009	266	Armona	Cx. tarsalis	7	BGSENT	7/25/2014	WNV	RTPCR
Kings	KNGS4009	267	Armona	Cx. pipiens	50	BGSENT	7/25/2014	WNV	RTPCR
Kings	KNGS4009	268	Armona	Cx. pipiens	38	BGSENT	7/25/2014	WNV	RTPCR

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Kings	KNGS4401	259	Lemoore	Cx. tarsalis	13	BGSENT	7/25/2014	WNV	RTPCR
Kings	KNGS4401	260	Lemoore	Cx. pipiens	50	BGSENT	7/25/2014	WNV	RTPCR
Kings	KNGS4401	261	Lemoore	Cx. pipiens	50	BGSENT	7/25/2014	WNV	RTPCR
Kings	KNGS4401	262	Lemoore	Cx. pipiens	50	BGSENT	7/25/2014	WNV	RTPCR
Kings	KNGS4403	263	Lemoore	Cx. pipiens	22	BGSENT	7/25/2014	WNV	RTPCR
Kings	KNGS4404	265	Lemoore	Cx. pipiens	21	BGSENT	7/25/2014	WNV	RTPCR
Kings	KNGS5502	233	Hanford	Cx. pipiens	12	BGSENT	7/21/2014	WNV	RTPCR
Kings	KNGS5507	227	Hanford	Cx. pipiens	50	BGSENT	7/21/2014	WNV	RTPCR
Kings	KNGS5507	228	Hanford	Cx. pipiens	50	BGSENT	7/21/2014	WNV	RTPCR
Kings	KNGS5507	229	Hanford	Cx. pipiens	50	BGSENT	7/21/2014	WNV	RTPCR
Lake	LAKE1508	401	Lake	Cx. stigmatosoma	36	REST	7/24/2014	WNV	RTPCR
Lake	LAKE328	405	Lake	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Lake	LAKE327	408	Lake	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Lake	LAKE84	410	Lake	Cx. tarsalis	27	CO2	7/24/2014	WNV	RTPCR
Lake	LAKE1404	422	Lake	Cx. stigmatosoma	14	REST	7/28/2014	WNV	RTPCR
Lake	LAKE201	425	Lake	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Lake	LAKE202	435	Lake	Cx. tarsalis	30	CO2	7/29/2014	WNV	RTPCR
Lake	LAKE80	452	Lake	Cx. tarsalis	50	CO2	7/30/2014	WNV	RTPCR
Lake	LAKE331	454	Lake	Cx. tarsalis	42	CO2	7/30/2014	WNV	RTPCR
Los Angeles	GRLA2023	5495	Reseda	Cx. quinquefasciatus	33	GRVD	7/24/2014	WNV	RTPCR
Los Angeles	GRLA2032	5494	Northridge	Cx. quinquefasciatus	50	GRVD	7/24/2014	WNV	RTPCR
Los Angeles	GRLA2221	434	Rowland Heights	Cx. quinquefasciatus	20	GRVD	7/22/2014	WNV	RTPCR
Los Angeles	GRLA2222	433	Rowland Heights	Cx. quinquefasciatus	13	GRVD	7/22/2014	WNV	RTPCR
Los Angeles	GRLA2230	432	Diamond Bar	Cx. quinquefasciatus	34	GRVD	7/22/2014	WNV	RTPCR
Los Angeles	GRLA2421	5482	Panorama City	Cx. quinquefasciatus	50	GRVD	7/23/2014	WNV	RTPCR
Los Angeles	GRLA2539	5491	Northridge	Cx. quinquefasciatus	50	GRVD	7/24/2014	WNV	RTPCR
Los Angeles	GRLA2574	5474	Sherman Oaks	Cx. quinquefasciatus	50	GRVD	7/23/2014	WNV	RTPCR
Los Angeles	GRLA2580	5481	Sherman Oaks	Cx. quinquefasciatus	50	GRVD	7/23/2014	WNV	RTPCR
Los Angeles	GRLA2636	5486	Van Nuys	Cx. quinquefasciatus	50	GRVD	7/24/2014	WNV	RTPCR
Los Angeles	GRLA2637	5479	Van Nuys	Cx. quinquefasciatus	50	GRVD	7/23/2014	WNV	RTPCR
Los Angeles	GRLA2650	5477	Encino	Cx. quinquefasciatus	50	GRVD	7/23/2014	WNV	RTPCR
Los Angeles	GRLA3034	5485	North Hills	Cx. quinquefasciatus	50	GRVD	7/24/2014	WNV	RTPCR
Los Angeles	GRLA3042	431	Hacienda Heights	Cx. quinquefasciatus	21	GRVD	7/22/2014	WNV	RTPCR
Los Angeles	GRLA3052	436	La Habra Heights	Cx. quinquefasciatus	37	GRVD	7/22/2014	WNV	RTPCR
Los Angeles	LACW1054	107	Inglewood	Cx. quinquefasciatus	50	CO2	7/24/2014	WNV	RTPCR
Los Angeles	LACW1054	109	Inglewood	Cx. quinquefasciatus	50	CO2	7/24/2014	WNV	RTPCR
Los Angeles	LONG302	45	Long Beach	Cx. erythrothorax	50	CO2	7/30/2014	WNV	RTPCR
Merced	FRWS100009	56	Dos Palos	Cx. tarsalis	50	CO2	7/17/2014	WNV	RTPCR
Merced	TRLK312	371	Newman	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Orange	ORCO1005	989	Buena Park	Cx. quinquefasciatus	15	CO2	7/24/2014	WNV	RTPCR
Orange	ORCO121	987	Santa Ana	Cx. quinquefasciatus	17	GRVD	7/23/2014	WNV	RTPCR
Orange	ORCO151	986	La Habra	Cx. quinquefasciatus	16	GRVD	7/23/2014	WNV	RTPCR
Orange	ORCO193	964	Huntington Beach	Cx. quinquefasciatus	5	GRVD	7/23/2014	WNV	RTPCR
Orange	ORCO209	994	Santa Ana	Cx. quinquefasciatus	19	CO2	7/24/2014	WNV	RTPCR
Orange	ORCO29	995	Santa Ana	Cx. quinquefasciatus	49	CO2	7/24/2014	WNV	RTPCR
Orange	ORCO3	959	Garden Grove	Cx. quinquefasciatus	45	GRVD	7/23/2014	WNV	RTPCR
Orange	ORCO3	960	Garden Grove	Cx. quinquefasciatus	44	GRVD	7/23/2014	WNV	RTPCR
Placer	PLCR1003	1054	Lincoln	Cx. tarsalis	29	CO2	7/29/2014	WNV	RTPCR
Placer	PLCR1023	999	Roseville	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Placer	PLCR1023	1000	Roseville	Cx. tarsalis	21	CO2	7/29/2014	WNV	RTPCR
Placer	PLCR1113	1043	Pleasant Grove	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Placer	PLCR17	1009	Sheridan	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Placer	PLCR58	1002	LINCOLN	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Placer	PLCR58	1003	LINCOLN	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR

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Riverside	COAV35	925	Mecca	Cx. tarsalis	31	CO2	7/29/2014	WNV	RTPCR
Riverside	COAV45	930	Mecca	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Riverside	COAV58	936	Mecca	Cx. tarsalis	31	CO2	7/29/2014	WNV	RTPCR
Riverside	COAV611	940	Mecca	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Riverside	NWST15	108	Corona	Cx. erythrothorax	50	CO2	7/29/2014	WNV	RTPCR
Riverside	NWST26	118	Corona Center	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Riverside	NWST26	119	Corona Center	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Sacramento	SAYO202006	3789	Sacramento	Cx. tarsalis	50	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO202006	3790	Sacramento	Cx. tarsalis	1	GRVD	7/31/2014	WNV	RTPCR
Sacramento	SAYO202009	3798	Sacramento	Cx. pipiens	10	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO202016	3792	Sacramento	Cx. tarsalis	22	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO203024	3700	North Highlands	Cx. pipiens	5	GRVD	7/29/2014	WNV	RTPCR
Sacramento	SAYO204007	3717	Antelope	Cx. pipiens	4	CO2	7/29/2014	WNV	RTPCR
Sacramento	SAYO204007	3718	Antelope	Cx. pipiens	8	GRVD	7/29/2014	WNV	RTPCR
Sacramento	SAYO204010	3743	Citrus Heights	Cx. pipiens	1	CO2	7/29/2014	WNV	RTPCR
Sacramento	SAYO204010	3744	Citrus Heights	Cx. pipiens	14	GRVD	7/29/2014	WNV	RTPCR
Sacramento	SAYO204027	3738	Fair Oaks	Cx. pipiens	24	GRVD	7/29/2014	WNV	RTPCR
Sacramento	SAYO205020	3829	Orangevale	Cx. tarsalis	5	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO205020	3830	Orangevale	Cx. tarsalis	1	GRVD	7/31/2014	WNV	RTPCR
Sacramento	SAYO213013	3805	Sacramento	Cx. pipiens	40	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO213013	3806	Sacramento	Cx. pipiens	4	GRVD	7/31/2014	WNV	RTPCR
Sacramento	SAYO213017	3807	Sacramento	Cx. tarsalis	7	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO214025	3741	Sacramento	Cx. pipiens	50	GRVD	7/29/2014	WNV	RTPCR
Sacramento	SAYO214025	3742	Sacramento	Cx. pipiens	29	GRVD	7/29/2014	WNV	RTPCR
Sacramento	SAYO214033	3754	Fair Oaks	Cx. pipiens	33	GRVD	7/29/2014	WNV	RTPCR
Sacramento	SAYO214039	3764	Carmichael	Cx. tarsalis	12	CO2	7/29/2014	WNV	RTPCR
Sacramento	SAYO223040	3823	Sacramento	Cx. pipiens	2	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO224010	3825	Sacramento	Cx. tarsalis	32	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO224010	3827	Sacramento	Cx. pipiens	23	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO224010	3828	Sacramento	Cx. pipiens	45	GRVD	7/31/2014	WNV	RTPCR
Sacramento	SAYO235018	3661	Wilton	Cx. tarsalis	8	CO2	7/29/2014	WNV	RTPCR
Sacramento	SAYO235018	3662	Wilton	Cx. pipiens	4	CO2	7/29/2014	WNV	RTPCR
Sacramento	SAYO245002	3668	Wilton	Cx. pipiens	39	CO2	7/29/2014	WNV	RTPCR
Sacramento	SAYO245026	3690	Wilton	Cx. pipiens	13	CO2	7/29/2014	WNV	RTPCR
Sacramento	SAYO252014	3876	Walnut Grove	Cx. tarsalis	14	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO254011	3862	Galt	Cx. tarsalis	1	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO254013	3858	Galt	Cx. pipiens	7	GRVD	7/31/2014	WNV	RTPCR
Sacramento	SAYO254015	3852	Galt	Cx. pipiens	50	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO254015	3853	Galt	Cx. pipiens	43	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO254021	3860	Galt	Cx. pipiens	34	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO261002	3918	Isleton	Cx. tarsalis	42	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO261002	3919	Isleton	Cx. pipiens	8	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO261003	3911	Isleton	Cx. tarsalis	50	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO261003	3914	Isleton	Cx. tarsalis	49	CO2	7/31/2014	WNV	RTPCR
Sacramento	SAYO271007	3902	Isleton	Cx. pipiens	19	GRVD	7/31/2014	WNV	RTPCR
San Bernardino	SANB39	229	Upland	Cx. quinquefasciatus	50	CO2	7/23/2014	WNV	RTPCR
San Bernardino	WVAL2018	837	Chino	Cx. quinquefasciatus	14	GRVD	7/29/2014	WNV	RTPCR
San Bernardino	WVAL2022	842	Fwy CA 60	Cx. quinquefasciatus	10	GRVD	7/29/2014	WNV	RTPCR
San Bernardino	WVAL5004	853	Rancho Cucamonga	Cx. quinquefasciatus	18	GRVD	7/29/2014	WNV	RTPCR
San Bernardino	WVAL6004	823	Ontario	Cx. quinquefasciatus	45	GRVD	7/24/2014	WNV	RTPCR
San Bernardino	WVAL6004	871	Ontario	Cx. quinquefasciatus	50	GRVD	7/29/2014	WNV	RTPCR
San Bernardino	WVAL6004	873	Ontario	Cx. quinquefasciatus	31	GRVD	7/29/2014	WNV	RTPCR
San Bernardino	WVAL6004	874	Ontario	Cx. quinquefasciatus	50	GRVD	7/29/2014	WNV	RTPCR

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San Bernardino	WVAL6005	847	Ontario	Cx. quinquefasciatus	7	GRVD	7/29/2014	WNV	RTPCR
San Bernardino	WVAL6007	859	Ontario	Cx. quinquefasciatus	33	GRVD	7/29/2014	WNV	RTPCR
San Joaquin	SJCM7021	982	Stockton	Cx. pipiens	30	GRVD	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8010	979	Ripon	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8018	999	Stockton	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8021	1029	Lodi	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8021	1032	Lodi	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8026	1017	Stockton	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8026	1018	Stockton	Cx. tarsalis	5	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8026	1019	Stockton	Cx. pipiens	12	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8027	1003	McDonald Isl. bridge	Cx. tarsalis	48	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8027	1004	McDonald Isl. bridge	Cx. pipiens	24	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8029	1045	Farmington	Cx. pipiens	40	CO2	7/31/2014	WNV	RTPCR
San Joaquin	SJCM8033	1041	Lockeford	Cx. tarsalis	9	CO2	7/31/2014	WNV	RTPCR
San Joaquin	SJCM8079	990	Manteca	Cx. tarsalis	25	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8111	1009	Stockton	Cx. tarsalis	22	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8161	976	Ripon	Cx. tarsalis	13	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8161	977	Ripon	Cx. pipiens	50	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8161	978	Ripon	Cx. pipiens	8	CO2	7/29/2014	WNV	RTPCR
San Joaquin	SJCM8191	1024	Lodi	Cx. tarsalis	16	CO2	7/29/2014	WNV	RTPCR
San Mateo	SANM438	80	San Mateo	Cx. pipiens	15	CO2	7/23/2014	WNV	RTPCR
San Mateo	SANM449	121	San Mateo	Cx. pipiens	15	CO2	7/25/2014	WNV	RTPCR
Santa Clara	STCL1187	5335	Sunnyvale	Cx. tarsalis	13	CO2	7/23/2014	WNV	RTPCR
Santa Clara	STCL2464	5365	Santa Clara	Cx. tarsalis	12	CO2	7/30/2014	WNV	RTPCR
Santa Clara	STCL2711	5341	Sunnyvale	Cx. pipiens	25	CO2	7/23/2014	WNV	RTPCR
Santa Clara	STCL2711	5342	Sunnyvale	Cx. pipiens	25	CO2	7/23/2014	WNV	RTPCR
Santa Clara	STCL3860	5338	Sunnyvale	Cx. pipiens	25	CO2	7/23/2014	WNV	RTPCR
Shasta	SHAS10010	261	Anderson	Cx. pipiens	36	CO2	7/29/2014	WNV	RTPCR
Shasta	SHAS10130	278		Cx. tarsalis	13	CO2	7/29/2014	WNV	RTPCR
Shasta	SHAS242	234	Cottonwood	Cx. tarsalis	14	CO2	7/22/2014	WNV	RTPCR
Shasta	SHAS263	252	Anderson	Cx. tarsalis	35	CO2	7/24/2014	WNV	RTPCR
Shasta	SHAS269	291	Redding	Cx. tarsalis	25	CO3	7/31/2014	WNV	RTPCR
Shasta	SHAS269	292	Redding	Cx. pipiens	37	CO4	7/31/2014	WNV	RTPCR
Stanislaus	EAST1008	14162	Modesto	Cx. tarsalis	23	CO2	7/29/2014	WNV	RAMP
Stanislaus	TRLK305	385	Grayson	Cx. pipiens	50	CO2	7/29/2014	WNV	RTPCR
Stanislaus	TRLK305	386	Grayson	Cx. pipiens	25	CO2	7/29/2014	WNV	RTPCR
Stanislaus	TRLK307	397	Grayson	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Stanislaus	TRLK319	379	Newman	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Stanislaus	TRLK327	349	Denair	Cx. pipiens	50	CO2	7/24/2014	WNV	RTPCR
Stanislaus	TRLK502	404	Vernalis	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Sutter	SUYA107	268	Live Oak	Cx. tarsalis	50	REST	7/28/2014	WNV	RTPCR
Sutter	SUYA15	234	Robbins	Cx. tarsalis	30	REST	7/21/2014	WNV	RTPCR
Sutter	SUYA16	255	Pleasant Grove	Cx. tarsalis	50	REST	7/28/2014	WNV	RTPCR
Sutter	SUYA16	277	Pleasant Grove	Cx. tarsalis	38	REST	7/29/2014	WNV	RTPCR
Sutter	SUYA24	266	Yuba City	Cx. tarsalis	50	REST	7/28/2014	WNV	RTPCR
Sutter	SUYA24	267	Yuba City	Cx. tarsalis	50	REST	7/28/2014	WNV	RTPCR
Sutter	SUYA31	257	Rio Oso	Cx. tarsalis	50	REST	7/28/2014	WNV	RTPCR
Sutter	SUYA44	254	Pleasant Grove	Cx. tarsalis	50	REST	7/28/2014	WNV	RTPCR
Sutter	SUYA44	275	Pleasant Grove	Cx. tarsalis	50	REST	7/29/2014	WNV	RTPCR
Sutter	SUYA63	272	Pennington	Cx. tarsalis	50	REST	7/28/2014	WNV	RTPCR
Sutter	SUYA63	273	Pennington	Cx. tarsalis	48	REST	7/28/2014	WNV	RTPCR
Tulare	DLTA8413	557	Visalia	Cx. quinquefasciatus	19	GRVD	7/25/2014	WNV	RTPCR

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Tulare	DLTA8424	592	Visalia	Cx. quinquefasciatus	50	GRVD	7/30/2014	WNV	RTPCR
Tulare	DLTA8424	593	Visalia	Cx. quinquefasciatus	11	GRVD	7/30/2014	WNV	RTPCR
Tulare	DLTA8424	595	Visalia	Cx. quinquefasciatus	7	GRVD	7/30/2014	WNV	RTPCR
Tulare	DLTA8426	585	Visalia	Cx. quinquefasciatus	11	GRVD	7/30/2014	WNV	RTPCR
Tulare	DLTA8427	586	Visalia	Cx. quinquefasciatus	7	GRVD	7/30/2014	WNV	RTPCR
Tulare	DLTA8434	552	Visalia	Cx. quinquefasciatus	7	GRVD	7/25/2014	WNV	RTPCR
Tulare	DLTA8434	553	Visalia	Cx. quinquefasciatus	11	GRVD	7/25/2014	WNV	RTPCR
Tulare	DLTA8434	554	Visalia	Cx. quinquefasciatus	7	GRVD	7/25/2014	WNV	RTPCR
Tulare	DLTA8434	556	Visalia	Cx. quinquefasciatus	13	GRVD	7/25/2014	WNV	RTPCR
Tulare	DLTA8434	582	Visalia	Cx. quinquefasciatus	11	GRVD	7/30/2014	WNV	RTPCR
Tulare	DLTA8435	571	Visalia	Cx. quinquefasciatus	16	GRVD	7/29/2014	WNV	RTPCR
Tulare	DLTA8435	577	Visalia	Cx. quinquefasciatus	11	GRVD	7/29/2014	WNV	RTPCR
Tulare	DLTA8528	597	Visalia	Cx. quinquefasciatus	17	GRVD	7/31/2014	WNV	RTPCR
Tulare	DLTA8533	599	Visalia	Cx. quinquefasciatus	11	GRVD	7/31/2014	WNV	RTPCR
Tulare	DLTA8534	602	Visalia	Cx. quinquefasciatus	13	GRVD	7/31/2014	WNV	RTPCR
Tulare	DLTA9403	548	Visalia	Cx. quinquefasciatus	16	GRVD	7/25/2014	WNV	RTPCR
Tulare	DLTA9403	550	Visalia	Cx. quinquefasciatus	19	GRVD	7/25/2014	WNV	RTPCR
Tulare	DLTA9403	551	Visalia	Cx. quinquefasciatus	15	GRVD	7/25/2014	WNV	RTPCR
Tulare	DLTA9403	555	Visalia	Cx. quinquefasciatus	7	GRVD	7/25/2014	WNV	RTPCR
Tulare	DLTA9403	580	Visalia	Cx. quinquefasciatus	26	GRVD	7/30/2014	WNV	RTPCR
Tulare	DLTA9411	576	Visalia	Cx. quinquefasciatus	9	GRVD	7/29/2014	WNV	RTPCR
Tulare	DLTA9412	581	Visalia	Cx. quinquefasciatus	14	GRVD	7/30/2014	WNV	RTPCR
Tulare	DLTA9501	566	Farmersville	Cx. quinquefasciatus	11	GRVD	7/29/2014	WNV	RTPCR
Tulare	DLTA9501	568	Farmersville	Cx. quinquefasciatus	18	GRVD	7/29/2014	WNV	RTPCR
Tulare	DLTA9501	569	Farmersville	Cx. quinquefasciatus	22	GRVD	7/29/2014	WNV	RTPCR
Tulare	DLTA9512	603	Farmersville	Cx. quinquefasciatus	25	GRVD	7/31/2014	WNV	RTPCR
Tulare	DLTA9606	560	Farmersville	Cx. quinquefasciatus	50	GRVD	7/29/2014	WNV	RTPCR
Tulare	DLTA9606	563	Farmersville	Cx. quinquefasciatus	50	GRVD	7/29/2014	WNV	RTPCR
Tulare	DLTA9606	564	Farmersville	Cx. quinquefasciatus	37	GRVD	7/29/2014	WNV	RTPCR
Tulare	DLTA9606	606	Farmersville	Cx. quinquefasciatus	33	GRVD	7/31/2014	WNV	RTPCR
Tulare	DLTA9610	605	Exeter	Cx. quinquefasciatus	25	GRVD	7/31/2014	WNV	RTPCR
Tulare	TLRE104	25	Tulare	Cx. quinquefasciatus	50	CO2	7/29/2014	WNV	RTPCR
Tulare	TLRE104	26	Tulare	Cx. quinquefasciatus	40	CO2	7/29/2014	WNV	RTPCR
Tulare	TLRE106	32	Tulare	Cx. quinquefasciatus	50	CO2	7/29/2014	WNV	RTPCR
Tulare	TLRE106	33	Tulare	Cx. quinquefasciatus	26	CO2	7/29/2014	WNV	RTPCR
Tulare	TLRE110	24	Tulare	Cx. quinquefasciatus	13	CO2	7/23/2014	WNV	RTPCR
Tulare	TLRE50	31	Tulare	Cx. quinquefasciatus	17	CO2	7/29/2014	WNV	RTPCR
Tulare	TLRE55	34	Tulare	Cx. quinquefasciatus	50	CO2	7/29/2014	WNV	RTPCR
Tulare	TLRE68	27	Tulare	Cx. quinquefasciatus	50	CO2	7/29/2014	WNV	RTPCR
Placer	PLCR668	1048	Elverta	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO103006	3930	Dunnigan	Cx. tarsalis	50	CO2	7/31/2014	WNV	RTPCR
Yolo	SAYO103006	3931	Dunnigan	Cx. tarsalis	50	CO2	7/31/2014	WNV	RTPCR
Yolo	SAYO103006	3933	Dunnigan	Cx. tarsalis	50	CO2	7/31/2014	WNV	RTPCR
Yolo	SAYO103006	3934	Dunnigan	Cx. tarsalis	50	GRVD	7/31/2014	WNV	RTPCR
Yolo	SAYO103007	3921	Dunnigan	Cx. tarsalis	50	CO2	7/31/2014	WNV	RTPCR
Yolo	SAYO103007	3922	Dunnigan	Cx. tarsalis	50	CO2	7/31/2014	WNV	RTPCR
Yolo	SAYO103007	3923	Dunnigan	Cx. tarsalis	50	CO2	7/31/2014	WNV	RTPCR
Yolo	SAYO116002	3905	Knights Landing	Cx. tarsalis	50	CO2	7/31/2014	WNV	RTPCR
Yolo	SAYO116002	3906	Knights Landing	Cx. tarsalis	50	CO2	7/31/2014	WNV	RTPCR
Yolo	SAYO116002	3908	Knights Landing	Cx. tarsalis	2	GRVD	7/31/2014	WNV	RTPCR
Yolo	SAYO125001	3626	Woodland	Cx. tarsalis	44	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO125001	3627	Woodland	Cx. pipiens	2	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO125014	3651	Woodland	Cx. tarsalis	23	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO125014	3652	Woodland	Cx. tarsalis	4	GRVD	7/29/2014	WNV	RTPCR

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Yolo	SAYO125014	3654	Woodland	Cx. pipiens	3	GRVD	7/29/2014	WNV	RTPCR
Yolo	SAYO125027	3656	Woodland	Cx. pipiens	6	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO135010	3647	Woodland	Cx. tarsalis	21	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO135010	3649	Woodland	Cx. pipiens	4	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO135010	3650	Woodland	Cx. pipiens	3	GRVD	7/29/2014	WNV	RTPCR
Yolo	SAYO135013	3625	Woodland	Cx. pipiens	8	GRVD	7/29/2014	WNV	RTPCR
Yolo	SAYO135016	3633	Woodland	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO135016	3634	Woodland	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO135016	3635	Woodland	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO143009	3573	Winters	Cx. tarsalis	50	CO2	7/24/2014	WNV	RTPCR
Yolo	SAYO143009	3578	Winters	Cx. pipiens	50	CO2	7/24/2014	WNV	RTPCR
Yolo	SAYO143009	3581	Winters	Cx. pipiens	20	GRVD	7/24/2014	WNV	RTPCR
Yolo	SAYO145001	3619	Davis	Cx. tarsalis	13	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO145001	3621	Davis	Cx. pipiens	8	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO145001	3622	Davis	Cx. pipiens	1	GRVD	7/29/2014	WNV	RTPCR
Yolo	SAYO145002	3604	Davis	Cx. tarsalis	2	GRVD	7/29/2014	WNV	RTPCR
Yolo	SAYO145005	3592	Davis	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO145005	3595	Davis	Cx. tarsalis	29	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO145015	3607	Davis	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO145015	3610	Davis	Cx. pipiens	24	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO145017	3602	Davis	Cx. pipiens	16	GRVD	7/29/2014	WNV	RTPCR
Yolo	SAYO146002	3613	Davis	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO146002	3614	Davis	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO146002	3615	Davis	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO146003	3585	Davis	Cx. tarsalis	44	CO2	7/29/2014	WNV	RTPCR
Yolo	SAYO146004	3582	Davis	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Yuba	SUYA108	287	Plumas Lake	Cx. tarsalis	50	CO2	7/29/2014	WNV	RTPCR
Yuba	SUYA0007	261	Marysville	Cx. tarsalis	15	REST	7/28/2014	WNV	RTPCR

Sentinel Chickens

County	Site Code	City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04	Band 05
Butte	BUCO0004	Gridley	7/29/2014	WNV	1121				
Lake	LAKE1000	Upper Lake	7/28/2014	WNV	1503				
Los Angeles	ANTV8652	Palmdale	7/23/2014	WNV	1057	1059	1060		
Los Angeles	ANTV8656	Lancaster	7/23/2014	WNV	1032				
Los Angeles	GRLA2056	Long Beach	7/24/2014	WNV	1401	1402	1406	1408	1409
Los Angeles	LONG0003	Long Beach	7/21/2014	WNV	4423	4427	4430		
San Bernardino	SANB0011	Rialto	7/22/2014	WNV	2025				
San Bernardino	SANB0029	San Bernardino	7/21/2014	WNV	2033	2040			

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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.