

California Arbovirus Surveillance Bulletin #21

Week 28 Friday, July 11, 2014



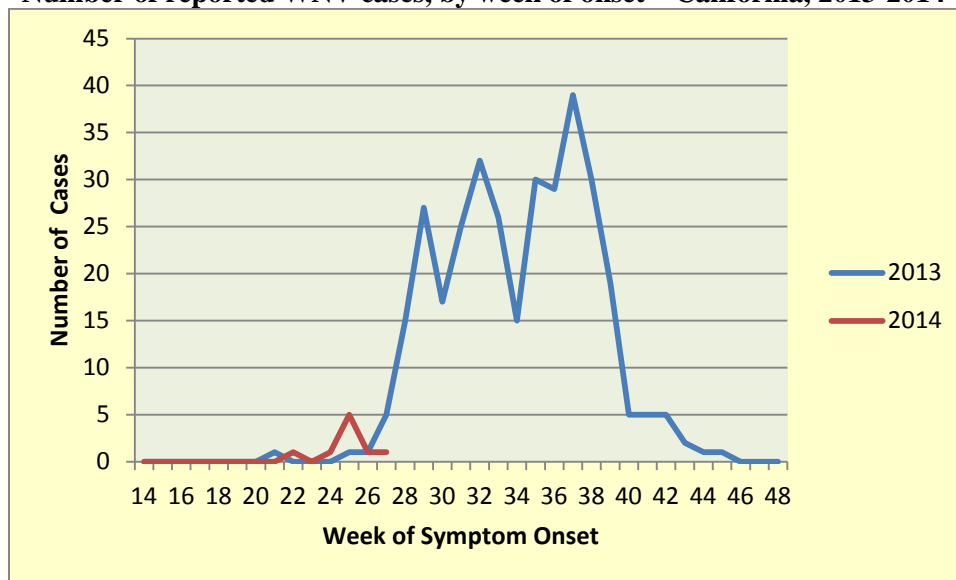
WEEKLY UPDATE

Humans

Six new cases of West Nile virus (WNV) disease have been reported from Fresno (1), Solano (1), Stanislaus (2), and Tulare (2) counties. These are the first reported cases from Fresno and Solano counties this year. As of July 5, 2014, a total of nine WNV cases have been reported from five counties: Contra Costa (1), Fresno (1), Solano (1), Stanislaus (3), and Tulare (3). Of the nine case-patients, eight (89%) had neuroinvasive illness. The median age of the nine individuals where data are available is 65 years (range: 36-81 years); six (67%) of the case-patients are male. Dates of symptom onset range from May 27 to June 29, 2014. No WNV-related fatalities have been reported to date this year. In addition, two WNV-positive blood donors have been reported in 2014; none have developed symptoms. At this time last year, one WNV case had been reported from Sacramento County.

National Comments: As of July 8, 2014, 18 human cases of WNV illness have been reported from seven states. Of these, 12 (67%) 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

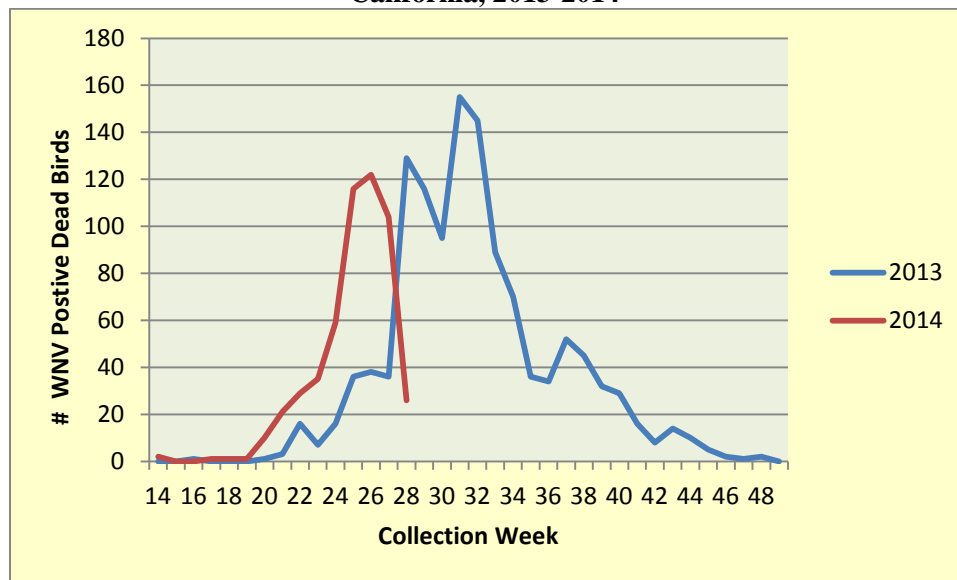
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Dead Birds

A total of 145 WNV positive dead birds were reported this week from the following 20 counties: Contra Costa (2), El Dorado (1), Lake (1), Los Angeles (2), Napa (1), Orange (2), Placer (4), Sacramento (44), San Bernardino (2), San Joaquin (5), Santa Clara (49), Santa Cruz (1), Shasta (1), Solano (10), Sonoma (2), Sutter (6), Tulare (2), Ventura (1), Yolo (8), and Yuba (1). **These are the first WNV positive dead birds from San Bernardino and Shasta counties this year. This is the first indication of WNV from El Dorado, Napa, Santa Cruz, and Ventura counties this year.** In 2014, 537 dead birds have tested positive for WNV from 27 counties. At this time last year, 155 WNV positive dead birds had been detected in 23 counties.

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



*Provisional data

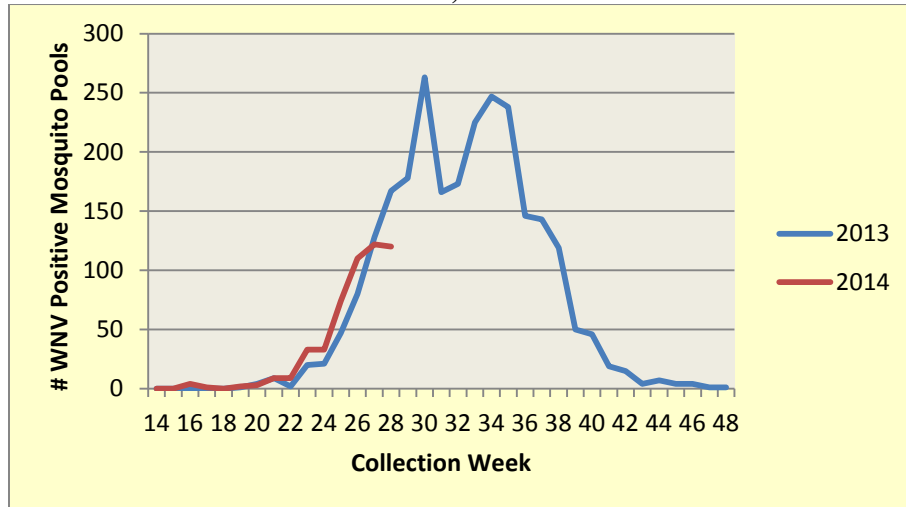
Mosquito Pools

A total of 190 WNV positive mosquito pools were reported this week from the following 19 counties: Contra Costa (2), Fresno (3), Kern (2), Lake (4), Los Angeles (7), Madera (2), Marin (2), Orange (16), Placer (6), Sacramento (44), San Bernardino (8), San Joaquin (20), Shasta (3), Solano (1), Stanislaus (14), Sutter (3), Tulare (35), Yolo 15, and Yuba (3). In 2014, 520 mosquito pools from 23 counties have tested positive for WNV. At this time last year, 396 WNV positive mosquito pools had been reported from 18 counties.

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

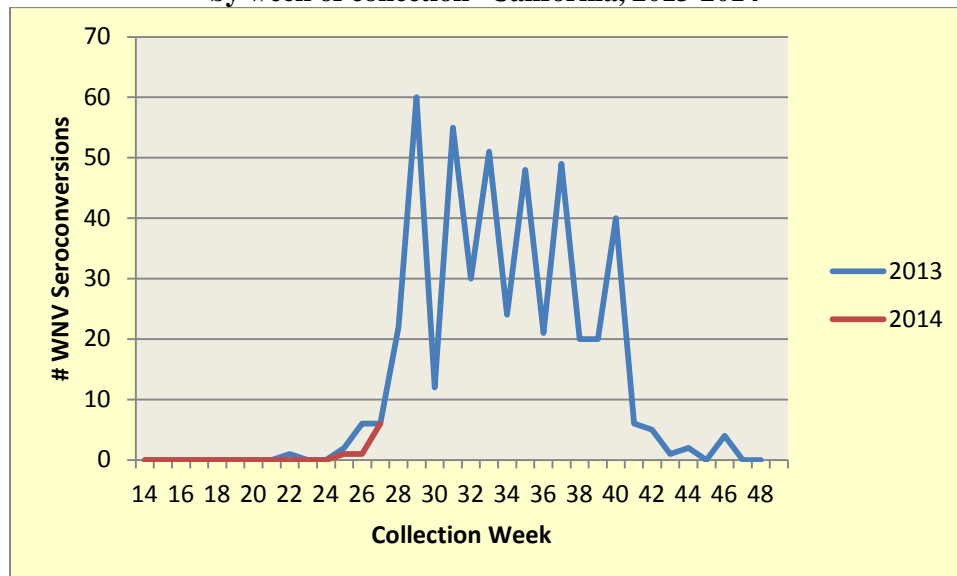


*Provisional data

Sentinel Chickens

Six new WNV seroconversions were reported this week from flocks located in Contra Costa (3) and Solano (3) counties. **These are the first seroconversions reported from Solano County in 2014.** To date this year, nine WNV positive chickens have been reported from four flocks in four counties. At this time last year, 12 WNV seroconversions had been reported from eight flocks in seven 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		5		
Butte		1		
Contra Costa	1	12	3	4
El Dorado		1		
Fresno	1	3	17	
Kern			13	
Kings			4	
Lake		4	8	
Los Angeles		5	12	1
Madera		2	7	
Marin		2	3	
Napa		1		
Orange		19	39	
Placer		7	12	
Sacramento		82	120	
San Bernardino		2	16	1
San Joaquin		13	67	
San Mateo		1	1	
Santa Clara		286	16	
Santa Cruz		1		
Shasta		1	5	
Solano	1	20	6	3
Sonoma		4	2	
Stanislaus	3	10	24	
Sutter		8	10	
Tulare	3	30	99	
Ventura		1		
Yolo		14	30	
Yuba		2	6	
Totals	9	537	520	9

**Total does not include asymptomatic infections*

2013 & 2014 YTD West Nile Virus Comparisons		
	2013	2014
Total # Dead Bird Reports	6,703	5,682
# Positive Counties	27	29
# Human Cases	1	9
# Positive Dead Birds / # Tested	155 / 1,338	537 / 1,320
# Positive Mosquito Pools / # Tested	396 / 13,883	520 / 10,691
# Seroconversions / # Tested	12 / 7,351	9 / 6,723

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TESTING SUMMARIES

Humans

Human Cases		WNV		WEEV		SLEV	
		Local	Imported	Local	Imported	Local	Imported
		Week	6	0	0	0	0
YTD	9	0	0	0	0	0	

Dead Birds

		Number Tested	WNV Positive
Dead Birds	Week	235	145
	YTD	1,320	537

Chickens & Mosquitoes

		Number Tested	WNV Positive	SLEV Positive	WEEV Positive
Chicken Sera	Week	753	6	0	0
	YTD	6,723	9	0	0
Mosquito Pools	Week	1,224	190	0	0
	YTD	10,691	520	0	0

NEW POSITIVES

Dead Birds

County	Agency	City	Zip	Species	Reported	Virus	Method
Contra Costa	Contra Costa MVCD	Oakley	94561	Western Scrub-Jay	7/10/2014	WNV	RAMP
Contra Costa	Contra Costa MVCD	Walnut Creek	94596	American Crow	7/9/2014	WNV	RAMP
El Dorado	El Dorado Co Env Management	El Dorado Hills	95762	Western Scrub-Jay	7/1/2014	WNV	RT-PCR
Lake	Lake Co VCD	Middletown	95461	Red-shouldered Hawk	7/2/2014	WNV	RT-PCR
Los Angeles	Antelope Valley MVCD	Palmdale	93550	Common Raven	7/1/2014	WNV	RT-PCR
Los Angeles	Los Angeles Co West VCD	Rancho Palos Verdes	90275	American Crow	7/8/2014	WNV	RT-PCR
Napa	Napa Co MAD	Napa	94558	American Crow	7/2/2014	WNV	RT-PCR
Orange	Orange Co VCD	Garden Grove	92840	American Crow	7/2/2014	WNV	RT-PCR
Orange	Orange Co VCD	Santa Ana	92866	American Crow	7/1/2014	WNV	RT-PCR
Placer	Placer MVCD	Auburn	95602	American Crow	7/1/2014	WNV	RT-PCR
Placer	Placer MVCD	Loomis	95650	Unknown	6/30/2014	WNV	RT-PCR
Placer	Placer MVCD	Penryn	95663	Unknown	7/2/2014	WNV	RT-PCR
Placer	Placer MVCD	Roseville	95626	House Finch	7/7/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	Cooper's Hawk	7/1/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Citrus Heights	95610	Western Scrub-Jay	6/30/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Citrus Heights	95610	Western Scrub-Jay	7/5/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	House Finch	7/8/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Fair Oaks	95628	Yellow-billed Magpie	7/7/2014	WNV	RT-PCR

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Sacramento	Sacramento-Yolo MVCD	Fair Oaks	95628	Yellow-billed Magpie	7/7/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Galt	95632	Western Scrub-Jay	7/5/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Rancho Murieta	95683	Western Scrub-Jay	6/30/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Rio Linda	95673	Western Scrub-Jay	7/1/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95816	American Crow	7/7/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95817	American Crow	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95817	American Crow	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95817	American Crow	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95818	American Crow	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95820	American Crow	7/5/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95821	American Crow	7/3/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	6/28/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	7/1/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	7/7/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95824	American Crow	7/3/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95825	American Crow	6/29/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95828	American Crow	7/1/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	American Crow	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	American Crow	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	American Crow	6/30/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	American Crow	6/30/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	American Crow	6/30/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	American Crow	7/1/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95864	American Crow	6/30/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95864	American Crow	7/1/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95864	American Crow	7/3/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95864	Cooper's Hawk	7/7/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95841	House Finch	6/28/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	Unknown	7/2/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95823	Western Scrub-Jay	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95823	Western Scrub-Jay	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95823	Western Scrub-Jay	6/27/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95829	Western Scrub-Jay	7/7/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95821	Yellow-billed Magpie	7/6/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	Yellow-billed Magpie	6/26/2014	WNV	RT-PCR
Sacramento	Sacramento-Yolo MVCD	Sacramento	95864	Yellow-billed Magpie	7/7/2014	WNV	RT-PCR
San Bernardino	West Valley MVCD	Ontario	91762	American Crow	6/5/2014	WNV	RT-PCR
San Bernardino	West Valley MVCD	Rancho Cucamonga	91730	Western Scrub-Jay	4/28/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Manteca	95336	Western Scrub-Jay	7/7/2014	WNV	RT-PCR

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San Joaquin	San Joaquin Co MVCD	Ripon	95366	American Crow	7/2/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Stockton	95219	American Crow	7/2/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Stockton	95204	Sage Sparrow	7/3/2014	WNV	RT-PCR
San Joaquin	San Joaquin Co MVCD	Stockton	95219	Western Scrub-Jay	7/7/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Altos Hills	94022	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Gatos	95030	American Crow	7/2/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Gatos	95032	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Gatos	95032	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Los Gatos	95032	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Monte Sereno	95030	American Crow	7/2/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95117	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95117	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95117	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	6/30/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/2/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/2/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	San Jose	95136	Common Raven	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95051	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Santa Clara	95051	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Saratoga	95070	American Crow	7/1/2014	WNV	RT-PCR

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Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	6/29/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	6/30/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	6/30/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	7/1/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	7/3/2014	WNV	RT-PCR
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	7/3/2014	WNV	RT-PCR
Santa Cruz	Santa Cruz MVCD	Soquel	95073	Sparrow	6/26/2014	WNV	RT-PCR
Shasta	Shasta MVCD	Anderson	96007	Western Scrub-Jay	7/7/2014	WNV	RT-PCR
Solano	Sacramento-Yolo MVCD	Dixon	95620	Common Raven	7/1/2014	WNV	RT-PCR
Solano	Solano Co MAD	Dixon	95620	Western Scrub-Jay	7/7/2014	WNV	RAMP
Solano	Solano Co MAD	Fairfield	94533	American Crow	7/1/2014	WNV	RAMP
Solano	Solano Co MAD	Fairfield	94533	Western Scrub-Jay	6/30/2014	WNV	RAMP
Solano	Solano Co MAD	Vacaville	95687	American Crow	7/1/2014	WNV	RAMP
Solano	Solano Co MAD	Vacaville	95687	American Crow	7/1/2014	WNV	RAMP
Solano	Solano Co MAD	Vacaville	95687	American Crow	7/7/2014	WNV	RAMP
Solano	Solano Co MAD	Vacaville	95688	American Crow	7/1/2014	WNV	RAMP
Solano	Solano Co MAD	Vacaville	95688	American Crow	7/7/2014	WNV	RAMP
Solano	Solano Co MAD	Vacaville	95688	Western Scrub-Jay	7/7/2014	WNV	RAMP
Sonoma	Marin-Sonoma MVCD	Petaluma	94952	American Crow	6/26/2014	WNV	RT-PCR
Sonoma	Marin-Sonoma MVCD	Santa Rosa	95405	American Crow	7/7/2014	WNV	RT-PCR
Sutter	Sutter-Yuba MVCD	Robbins	95676	Black-crowned Night-Heron	7/1/2014	WNV	RT-PCR
Sutter	Sutter-Yuba MVCD	Robbins	95676	Black-crowned Night-Heron	7/1/2014	WNV	RT-PCR
Sutter	Sutter-Yuba MVCD	Sutter	95982	American Crow	7/2/2014	WNV	RT-PCR
Sutter	Sutter-Yuba MVCD	Sutter	95982	Western Scrub-Jay	7/3/2014	WNV	RT-PCR
Sutter	Sutter-Yuba MVCD	Sutter	95982	Western Scrub-Jay	7/3/2014	WNV	RT-PCR
Sutter	Sutter-Yuba MVCD	Yuba City	95993	Western Scrub-Jay	6/25/2014	WNV	RT-PCR
Tulare	Delta VCD	Tulare	93274	Western Scrub-Jay	7/2/2014	WNV	RT-PCR
Tulare	Delta VCD	Visalia	93277	American Crow	7/2/2014	WNV	RT-PCR
Ventura	Ventura Co Env Health	Ventura	93003	American Crow	7/1/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	7/2/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	7/7/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	7/7/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	7/7/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Davis	95618	American Crow	7/7/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	West Sacramento	95691	Western Scrub-Jay	7/3/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	West Sacramento	95691	Western Scrub-Jay	7/4/2014	WNV	RT-PCR
Yolo	Sacramento-Yolo MVCD	Woodland	95695	Western Scrub-Jay	7/7/2014	WNV	RT-PCR
Yuba	Sutter-Yuba MVCD	Marysville	95901	House Finch	7/4/2014	WNV	RT-PCR

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Mosquitoes

County	Site Code	Pool #	Species	City	# in Pool	Trap	Collected	Virus	Method
Contra Costa	CNTR2302	177	Cx. tarsalis	Martinez	47	CO2	7/7/2014	WNV	RTPCR
Contra Costa	CNTR8202	173	Cx. pipiens	Discovery Bay	24	CO2	7/7/2014	WNV	RTPCR
Fresno	CNSL2055	49	Cx. quinquefasciatus	Clovis	29	GRVD	7/8/2014	WNV	RTPCR
Fresno	CNSL4013	362	Cx. quinquefasciatus	Fowler	18	GRVD	7/8/2014	WNV	RTPCR
Fresno	CNSL4124	350	Cx. quinquefasciatus	Selma	13	GRVD	7/1/2014	WNV	RTPCR
Kern	KERN2018	197	Cx. quinquefasciatus	Bakersfield	50	GRVD	7/2/2014	WNV	RTPCR
Kern	KERN2020	202	Cx. quinquefasciatus	Bakersfield	23	GRVD	7/3/2014	WNV	RTPCR
Lake	LAKE1000	276	Cx. tarsalis	Upper Lake	26	REST	7/8/2014	WNV	RTPCR
Lake	LAKE325	265	Cx. tarsalis	Upper Lake	50	CO2	7/8/2014	WNV	RTPCR
Lake	LAKE325	266	Cx. tarsalis	Upper Lake	50	CO2	7/8/2014	WNV	RTPCR
Lake	LAKE327	251	Cx. tarsalis	Upper Lake	36	REST	7/8/2014	WNV	RTPCR
Los Angeles	GRLA2228	364	Cx. quinquefasciatus	Diamond Bar	38	GRVD	7/2/2014	WNV	RTPCR
Los Angeles	GRLA2230	365	Cx. quinquefasciatus	Diamond Bar	50	GRVD	7/2/2014	WNV	RTPCR
Los Angeles	GRLA2421	5386	Cx. quinquefasciatus	Panorama City	50	GRVD	7/1/2014	WNV	RTPCR
Los Angeles	GRLA2651	5385	Cx. quinquefasciatus	Encino	50	GRVD	7/1/2014	WNV	RTPCR
Los Angeles	GRLA3034	5384	Cx. quinquefasciatus	North Hills	50	GRVD	7/1/2014	WNV	RTPCR
Los Angeles	GRLA3042	363	Cx. quinquefasciatus	Hacienda Heights	50	GRVD	7/2/2014	WNV	RTPCR
Los Angeles	GRLA3052	369	Cx. quinquefasciatus	La Habra Heights	18	GRVD	7/2/2014	WNV	RTPCR
Madera	MADR202	49	Cx. tarsalis	Madera	50	CO2	6/25/2014	WNV	RTPCR
Madera	MADR195	57	Cx. tarsalis	Madera	25	CO2	7/2/2014	WNV	RTPCR
Marin	MARN55	326	Cx. tarsalis	Novato	50	CO2	7/8/2014	WNV	RTPCR
Marin	MARN151	331	Cx. stigmatosoma	San Rafael	20	GRVD	7/9/2014	WNV	RTPCR
Orange	ORCO168	621	Cx. quinquefasciatus	Santa Ana	20	GRVD	7/1/2014	WNV	RTPCR
Orange	ORCO17	619	Cx. quinquefasciatus	Orange	43	GRVD	7/1/2014	WNV	RTPCR
Orange	ORCO198	643	Cx. quinquefasciatus	La Habra	50	GRVD	7/1/2014	WNV	RTPCR
Orange	ORCO198	644	Cx. quinquefasciatus	La Habra	50	GRVD	7/1/2014	WNV	RTPCR
Orange	ORCO209	683	Cx. quinquefasciatus	Santa Ana	50	CO2	7/3/2014	WNV	RTPCR
Orange	ORCO209	684	Cx. quinquefasciatus	Santa Ana	50	CO2	7/3/2014	WNV	RTPCR
Orange	ORCO209	685	Cx. quinquefasciatus	Santa Ana	16	CO2	7/3/2014	WNV	RTPCR
Orange	ORCO217	629	Cx. quinquefasciatus	Santa Ana	50	CO2	7/1/2014	WNV	RTPCR
Orange	ORCO217	630	Cx. quinquefasciatus	Santa Ana	24	CO2	7/1/2014	WNV	RTPCR
Orange	ORCO217	663	Cx. quinquefasciatus	Santa Ana	25	CO2	7/2/2014	WNV	RTPCR
Orange	ORCO217	672	Cx. quinquefasciatus	Santa Ana	50	CO2	7/3/2014	WNV	RTPCR
Orange	ORCO217	673	Cx. quinquefasciatus	Santa Ana	50	CO2	7/3/2014	WNV	RTPCR
Orange	ORCO217	674	Cx. quinquefasciatus	Santa Ana	17	CO2	7/3/2014	WNV	RTPCR
Orange	ORCO27	664	Cx. quinquefasciatus	Newport Beach	9	CO2	7/2/2014	WNV	RTPCR
Orange	ORCO36	639	Cx. quinquefasciatus	Cypress	43	GRVD	7/1/2014	WNV	RTPCR
Orange	ORCO52	646	Cx. quinquefasciatus	Anaheim	48	GRVD	7/1/2014	WNV	RTPCR
Placer	PLCR1023	705	Cx. tarsalis	Roseville	21	CO2	7/8/2014	WNV	RTPCR
Placer	PLCR1113	719	Cx. tarsalis	Pleasant Grove	50	CO2	7/8/2014	WNV	RTPCR
Placer	PLCR139	771	Cx. tarsalis	ROSEVILLE	50	CO2	7/8/2014	WNV	RTPCR
Placer	PLCR139	776	Cx. tarsalis	ROSEVILLE	34	CO2	7/8/2014	WNV	RTPCR
Placer	PLCR17	748	Cx. tarsalis	Sheridan	50	CO2	7/8/2014	WNV	RTPCR
Placer	PLCR58	743	Cx. pipiens	LINCOLN	3	CO2	7/8/2014	WNV	RTPCR
Sacramento	SAYO202006	2797	Cx. tarsalis	Sacramento	50	CO2	7/10/14	WNV	RTPCR

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Sacramento	SAYO202006	2798	Cx. tarsalis	Sacramento	50	CO2	7/10/14	WNV	RTPCR
Sacramento	SAYO202006	2799	Cx. tarsalis	Sacramento	50	CO2	7/10/14	WNV	RTPCR
Sacramento	SAYO202006	2800	Cx. tarsalis	Sacramento	44	CO2	7/10/14	WNV	RTPCR
Sacramento	SAYO202006	2801	Cx. tarsalis	Sacramento	5	GRVD	7/10/14	WNV	RTPCR
Sacramento	SAYO204001	2477	Cx. pipiens	Citrus Heights	2	GRVD	7/8/2014	WNV	RTPCR
Sacramento	SAYO204014	2471	Cx. pipiens	Citrus Heights	32	GRVD	7/8/2014	WNV	RTPCR
Sacramento	SAYO204025	2479	Cx. pipiens	Citrus Heights	3	CO2	7/8/2014	WNV	RTPCR
Sacramento	SAYO204025	2480	Cx. pipiens	Citrus Heights	44	GRVD	7/8/2014	WNV	RTPCR
Sacramento	SAYO204030	2491	Cx. pipiens	Orangevale	28	CO2	7/8/2014	WNV	RTPCR
Sacramento	SAYO204030	2492	Cx. pipiens	Orangevale	1	GRVD	7/8/2014	WNV	RTPCR
Sacramento	SAYO215005	2394	Cx. pipiens	Folsom	50	GRVD	7/3/2014	WNV	RTPCR
Sacramento	SAYO222011	2688	Cx. tarsalis	Sacramento	4	CO2	7/10/14	WNV	RTPCR
Sacramento	SAYO222011	2689	Cx. pipiens	Sacramento	4	CO2	7/10/14	WNV	RTPCR
Sacramento	SAYO222011	2690	Cx. pipiens	Sacramento	22	GRVD	7/10/14	WNV	RTPCR
Sacramento	SAYO222031	2322	Cx. pipiens	Sacramento	1	CO2	7/3/2014	WNV	RTPCR
Sacramento	SAYO223012	2550	Cx. tarsalis	Sacramento	19	CO2	7/8/2014	WNV	RTPCR
Sacramento	SAYO223012	2551	Cx. pipiens	Sacramento	17	CO2	7/8/2014	WNV	RTPCR
Sacramento	SAYO223047	2645	Cx. pipiens	Sacramento	24	GRVD	7/10/14	WNV	RTPCR
Sacramento	SAYO232001	2687	Cx. pipiens	Sacramento	17	GRVD	7/10/14	WNV	RTPCR
Sacramento	SAYO232010	2311	Cx. pipiens	Sacramento	50	GRVD	7/3/2014	WNV	RTPCR
Sacramento	SAYO232028	2467	Cx. tarsalis	Sacramento	25	CO2	7/3/2014	WNV	RTPCR
Sacramento	SAYO233001	2574	Cx. tarsalis	Elk Grove	9	CO2	7/8/2014	WNV	RTPCR
Sacramento	SAYO233001	2575	Cx. tarsalis	Elk Grove	1	GRVD	7/8/2014	WNV	RTPCR
Sacramento	SAYO233001	2576	Cx. pipiens	Elk Grove	2	CO2	7/8/2014	WNV	RTPCR
Sacramento	SAYO233001	2577	Cx. pipiens	Elk Grove	21	GRVD	7/8/2014	WNV	RTPCR
Sacramento	SAYO233008	2321	Cx. pipiens	Sacramento	15	GRVD	7/3/2014	WNV	RTPCR
Sacramento	SAYO233015	2559	Cx. pipiens	Sacramento	12	GRVD	7/8/2014	WNV	RTPCR
Sacramento	SAYO233019	2305	Cx. tarsalis	Florin	38	CO2	7/3/2014	WNV	RTPCR
Sacramento	SAYO233025	2581	Cx. tarsalis	Elk Grove	13	CO2	7/8/2014	WNV	RTPCR
Sacramento	SAYO233025	2583	Cx. pipiens	Elk Grove	28	GRVD	7/8/2014	WNV	RTPCR
Sacramento	SAYO233057	2573	Cx. pipiens	Sacramento	27	GRVD	7/8/2014	WNV	RTPCR
Sacramento	SAYO233064	2313	Cx. tarsalis	Sacramento	40	CO2	7/3/2014	WNV	RTPCR
Sacramento	SAYO233064	2314	Cx. tarsalis	Sacramento	2	GRVD	7/3/2014	WNV	RTPCR
Sacramento	SAYO234017	2728	Cx. tarsalis	Sacramento, CA	50	CO2	7/10/14	WNV	RTPCR
Sacramento	SAYO234017	2729	Cx. tarsalis	Sacramento, CA	6	CO2	7/10/14	WNV	RTPCR
Sacramento	SAYO234017	2730	Cx. pipiens	Sacramento, CA	11	CO2	7/10/14	WNV	RTPCR
Sacramento	SAYO243025	2778	Cx. pipiens	Elk Grove	50	CO2	7/10/14	WNV	RTPCR
Sacramento	SAYO245002	2791	Cx. tarsalis	Wilton	35	CO2	7/10/14	WNV	RTPCR
Sacramento	SAYO245002	2792	Cx. pipiens	Wilton	50	CO2	7/10/14	WNV	RTPCR
Sacramento	SAYO253015	2449	Cx. pipiens	Elk Grove	8	GRVD	7/3/2014	WNV	RTPCR
Sacramento	SAYO261002	2603	Cx. tarsalis	Isleton	50	CO2	7/8/2014	WNV	RTPCR
Sacramento	SAYO261002	2604	Cx. tarsalis	Isleton	17	CO2	7/8/2014	WNV	RTPCR
Sacramento	SAYO261002	2605	Cx. pipiens	Isleton	18	CO2	7/8/2014	WNV	RTPCR
San Bernardino	SANB43	201	Cx. quinquefasciatus	Rialto	5	CO2	7/3/2014	WNV	RTPCR
San Bernardino	SANB43	204	Cx. tarsalis	Rialto	11	CO2	7/8/2014	WNV	RTPCR
San Bernardino	WVAL2021	696	Cx. quinquefasciatus	Fwy CA 71	27	GRVD	7/8/14	WNV	RTPCR
San Bernardino	WVAL6004	644	Cx. quinquefasciatus	Ontario	50	GRVD	6/26/14	WNV	RTPCR
San Bernardino	WVAL6004	673	Cx. quinquefasciatus	Ontario	36	GRVD	7/1/14	WNV	RTPCR
San Bernardino	WVAL6004	716	Cx. quinquefasciatus	Ontario	29	GRVD	7/8/14	WNV	RTPCR
San Bernardino	WVAL6009	655	Cx. quinquefasciatus	Ontario	30	GRVD	7/1/14	WNV	RTPCR
San Bernardino	WVAL6012	698	Cx. quinquefasciatus	Ontario	9	GRVD	7/8/14	WNV	RTPCR

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San Joaquin	SJCM7022	785	Cx. pipiens	Stockton	19	GRVD	7/8/14	WNV	RTPCR
San Joaquin	SJCM8004	848	Cx. tarsalis	Lodi	32	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8008	852	Cx. tarsalis	Manteca	47	CO2	7/9/14	WNV	RTPCR
San Joaquin	SJCM8008	853	Cx. pipiens	Manteca	7	CO2	7/9/14	WNV	RTPCR
San Joaquin	SJCM8010	783	Cx. tarsalis	Ripon	10	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8010	784	Cx. pipiens	Ripon	6	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8018	772	Cx. tarsalis	Stockton	50	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8018	773	Cx. tarsalis	Stockton	50	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8018	774	Cx. tarsalis	Stockton	42	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8018	775	Cx. pipiens	Stockton	16	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8021	841	Cx. tarsalis	Lodi	50	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8026	835	Cx. tarsalis	Stockton	50	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8026	836	Cx. tarsalis	Stockton	50	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8049	792	Cx. tarsalis	Stockton	44	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8083	794	Cx. pipiens	Escalon	48	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8124	856	Cx. pipiens	Clements	6	CO2	7/10/14	WNV	RTPCR
San Joaquin	SJCM8160	849	Cx. tarsalis	Lodi	44	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM8191	787	Cx. tarsalis	Lodi	50	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM9906	802	Cx. tarsalis	French Camp	24	CO2	7/8/14	WNV	RTPCR
San Joaquin	SJCM9906	803	Cx. pipiens	French Camp	11	CO2	7/8/14	WNV	RTPCR
Shasta	SHAS0148	164	Cx. tarsalis	Cottonwood	42	CO2	7/8/14	WNV	RTPCR
Shasta	SHAS10020	182	Cx. stigmatosoma	Anderson	27	CO2	7/8/14	WNV	RTPCR
Shasta	SHAS10020	183	Cx. pipiens	Anderson	45	CO2	7/8/14	WNV	RTPCR
Solano	SOLA0	37	Cx. tarsalis	Fairfield	40	CO2	7/1/2014	WNV	RTPCR
Stanislaus	EAST1012	14092	Cx. tarsalis	Modesto	10	CO2	7/2/2014	WNV	RTPCR
Stanislaus	EAST1013	14096	Cx. tarsalis	Modesto	31	CO2	7/2/2014	WNV	RTPCR
Stanislaus	EAST1097	14098	Cx. tarsalis		31	CO2	7/2/2014	WNV	RTPCR
Stanislaus	EAST1097	14108	Cx. tarsalis		32	CO2	7/8/2014	WNV	RTPCR
Stanislaus	EAST1004	14114	Cx. tarsalis	Modesto	50	CO2	7/8/2014	WNV	RTPCR
Stanislaus	EAST1004	14115	Cx. tarsalis	Modesto	50	CO2	7/8/2014	WNV	RTPCR
Stanislaus	EAST1004	14114	Cx. tarsalis	Modesto	50	CO2	7/8/2014	WNV	RTPCR
Stanislaus	TRLK1209	251	Cx. pipiens	Ceres	17	CO2	7/3/14	WNV	RTPCR
Stanislaus	TRLK1301	273	Cx. pipiens	Denair	50	CO2	7/8/14	WNV	RTPCR
Stanislaus	TRLK1308	269	Cx. pipiens	Denair	50	CO2	7/8/14	WNV	RTPCR
Stanislaus	TRLK406	248	Cx. pipiens	Turlock	3	CO2	7/3/14	WNV	RTPCR
Stanislaus	TRLK420	258	Cx. pipiens	Turlock	8	CO2	7/3/14	WNV	RTPCR
Stanislaus	TRLK432	268	Cx. pipiens	Turlock	38	CO2	7/8/14	WNV	RTPCR
Stanislaus	TRLK9729	275	Cx. pipiens	Turlock	22	CO2	7/8/14	WNV	RTPCR
Sutter	SUYA24	160	Cx. tarsalis	Yuba City	50	REST	7/7/14	WNV	RTPCR
Sutter	SUYA24	161	Cx. tarsalis	Yuba City	50	REST	7/7/14	WNV	RTPCR
Sutter	SUYA63	171	Cx. tarsalis	Pennington	50	REST	7/7/14	WNV	RTPCR
Tulare	DLTA7316	400	Cx. quinquefasciatus	Traver	14	GRVD	7/9/2014	WNV	RTPCR
Tulare	DLTA7625	387	Cx. quinquefasciatus	Woodlake	24	GRVD	7/8/2014	WNV	RTPCR
Tulare	DLTA7730	380	Cx. quinquefasciatus	Woodlake	19	GRVD	7/8/2014	WNV	RTPCR
Tulare	DLTA7730	382	Cx. quinquefasciatus	Woodlake	17	GRVD	7/8/2014	WNV	RTPCR
Tulare	DLTA8413	397	Cx. quinquefasciatus	Visalia	7	GRVD	7/9/2014	WNV	RTPCR
Tulare	DLTA8423	398	Cx. quinquefasciatus	Visalia	12	GRVD	7/9/2014	WNV	RTPCR
Tulare	DLTA8426	373	Cx. quinquefasciatus	Visalia	23	GRVD	7/3/2014	WNV	RTPCR
Tulare	DLTA8427	374	Cx. quinquefasciatus	Visalia	11	GRVD	7/3/2014	WNV	RTPCR
Tulare	DLTA8434	372	Cx. quinquefasciatus	Visalia	37	GRVD	7/3/2014	WNV	RTPCR
Tulare	DLTA8435	364	Cx. quinquefasciatus	Visalia	22	GRVD	7/3/2014	WNV	RTPCR
Tulare	DLTA8436	365	Cx. quinquefasciatus	Visalia	29	GRVD	7/3/2014	WNV	RTPCR
Tulare	DLTA8436	395	Cx. quinquefasciatus	Visalia	10	GRVD	7/9/2014	WNV	RTPCR
Tulare	DLTA8514	394	Cx. quinquefasciatus	Visalia	33	GRVD	7/8/2014	WNV	RTPCR

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Tulare	DLTA8523	391	Cx. quinquefasciatus	Visalia	10	GRVD	7/8/2014	WNV	RTPCR
Tulare	DLTA8523	392	Cx. quinquefasciatus	Visalia	12	GRVD	7/8/2014	WNV	RTPCR
Tulare	DLTA8527	352	Cx. quinquefasciatus	Visalia	27	GRVD	7/2/2014	WNV	RTPCR
Tulare	DLTA8529	351	Cx. quinquefasciatus	Visalia	39	GRVD	7/2/2014	WNV	RTPCR
Tulare	DLTA8531	366	Cx. quinquefasciatus	Visalia	22	GRVD	7/3/2014	WNV	RTPCR
Tulare	DLTA8531	375	Cx. quinquefasciatus	Visalia	18	GRVD	7/8/2014	WNV	RTPCR
Tulare	DLTA8531	376	Cx. quinquefasciatus	Visalia	9	GRVD	7/8/2014	WNV	RTPCR
Tulare	DLTA8531	377	Cx. quinquefasciatus	Visalia	16	GRVD	7/8/2014	WNV	RTPCR
Tulare	DLTA8531	379	Cx. quinquefasciatus	Visalia	38	GRVD	7/8/2014	WNV	RTPCR
Tulare	DLTA8532	355	Cx. quinquefasciatus	Visalia	15	GRVD	7/2/2014	WNV	RTPCR
Tulare	DLTA8533	354	Cx. quinquefasciatus	Visalia	15	GRVD	7/2/2014	WNV	RTPCR
Tulare	DLTA9401	369	Cx. quinquefasciatus	Visalia	12	GRVD	7/3/2014	WNV	RTPCR
Tulare	DLTA9402	370	Cx. quinquefasciatus	Visalia	16	GRVD	7/3/2014	WNV	RTPCR
Tulare	DLTA9504	362	Cx. quinquefasciatus	Visalia	13	GRVD	7/2/2014	WNV	RTPCR
Tulare	DLTA9512	360	Cx. quinquefasciatus	Farmersville	50	GRVD	7/2/2014	WNV	RTPCR
Tulare	DLTA9611	357	Cx. quinquefasciatus	Exeter	31	GRVD	7/2/2014	WNV	RTPCR
Tulare	TLRE25	19	Cx. quinquefasciatus	Tulare	41	CO2	7/9/14	WNV	RTPCR
Tulare	TLRE37	10	Cx. quinquefasciatus	Tulare	33	CO2	7/1/14	WNV	RTPCR
Tulare	TLRE57	12	Cx. quinquefasciatus	Tulare	50	CO2	7/9/14	WNV	RTPCR
Tulare	TLRE57	13	Cx. quinquefasciatus	Tulare	50	CO2	7/9/14	WNV	RTPCR
Tulare	TLRE57	15	Cx. quinquefasciatus	Tulare	50	CO2	7/9/14	WNV	RTPCR
Tulare	TLRE80	17	Cx. quinquefasciatus	Tulare	23	CO2	7/9/14	WNV	RTPCR
Yolo	SAYO103007	2629	Cx. tarsalis	Dunnigan	50	CO2	7/8/14	WNV	RTPCR
Yolo	SAYO125011	2339	Cx. tarsalis	Woodland	51	CO2	7/3/2014	WNV	RTPCR
Yolo	SAYO125011	2341	Cx. pipiens	Woodland	9	GRVD	7/3/2014	WNV	RTPCR
Yolo	SAYO125016	2714	Cx. tarsalis	Woodland	1	GRVD	7/10/14	WNV	RTPCR
Yolo	SAYO125017	2338	Cx. pipiens	Woodland	22	GRVD	7/3/2014	WNV	RTPCR
Yolo	SAYO136010	2618	Cx. tarsalis	Woodland	50	CO2	7/8/2014	WNV	RTPCR
Yolo	SAYO137007	2377	Cx. pipiens	West Sacramento	39	CO2	7/3/2014	WNV	RTPCR
Yolo	SAYO137007	2378	Cx. pipiens	West Sacramento	30	GRVD	7/3/2014	WNV	RTPCR
Yolo	SAYO145013	2742	Cx. tarsalis	Davis	50	CO2	7/10/14	WNV	RTPCR
Yolo	SAYO145016	2735	Cx. tarsalis	Davis	50	CO2	7/10/14	WNV	RTPCR
Yolo	SAYO145016	2737	Cx. pipiens	Davis	22	CO2	7/10/14	WNV	RTPCR
Yolo	SAYO146002	2756	Cx. pipiens	Davis	4	CO2	7/10/14	WNV	RTPCR
Yolo	SAYO146006	2739	Cx. tarsalis	Davis	36	CO2	7/10/14	WNV	RTPCR
Yolo	SAYO146006	2740	Cx. pipiens	Davis	1	CO2	7/10/14	WNV	RTPCR
Yolo	SAYO146017	2356	Cx. pipiens	Davis	9	GRVD	7/3/2014	WNV	RTPCR
Yuba	SUYA8	178	Cx. tarsalis	Marysville	50	CO2	7/7/14	WNV	RTPCR
Yuba	SUYA8	179	Cx. tarsalis	Marysville	50	CO2	7/7/14	WNV	RTPCR
Yuba	SUYA97	174	Cx. tarsalis	Marysville	50	REST	7/7/14	WNV	RTPCR

Sentinel Chickens

County	Site Code	City	Date Bled	Virus	Band 01	Band 02	Band 03
Contra Costa	CNTR8152	Knightsen	6/30/2014	WNV	1301	1305	1307
Solano	SOLA0125	Cordelia	6/30/2014	WNV	1982	1984	1985

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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