

California Arbovirus Surveillance Bulletin #19

Week 32 Friday, August 11, 2017



Weekly Update

Humans

Eleven new human cases of West Nile virus (WNV) illness were reported this week from Kern (2), Los Angeles (6), and San Bernardino (3) Counties. To date this year, a total of 22 human cases of WNV illness have been reported from four counties. Of the 22 case-patients, 15 (68%) had neuroinvasive disease; no fatalities have been reported. The median age of the individuals is 53 years (range: 4–80 years) and 13 (59%) are male. Dates of symptom onset ranged from March 16 to July 28. In addition to the 11 cases, six asymptomatic WNV-positive blood donors have been reported from Los Angeles (2) Orange (1), and San Bernardino (3) counties. As of this date in 2016, 22 human WNV cases had been reported from ten counties.

Dead Birds

A total of 30 WNV positive dead birds were reported this week from the following 13 counties: Contra Costa (2), El Dorado (1), Kings (1), Los Angeles (1), Merced (1), Orange (1), Riverside (8), Sacramento (5), San Bernardino (4), San Diego (2), San Joaquin (2), Santa Clara (1), and Solano (1). **This is the first detection of WNV activity in El Dorado and Solano Counties, and the first positive bird from Kings and Merced Counties this year.** To date this year, 171 birds from 26 counties have tested positive for WNV. As of this date in 2016, 910 WNV positive birds had been reported from 36 counties.

Mosquito Pools

West Nile Virus

A total of 344 WNV positive mosquito pools were reported this week from the following 22 counties: Butte (5), Fresno (9), Glenn (11), Inyo (1), Kern (8), Kings (1), Los Angeles (69), Madera (9), Merced (8), Orange (8), Placer (3), Riverside (11), Sacramento (16), San Bernardino (19), San Diego (1), San Joaquin (24), Solano (3), Stanislaus (20), Sutter (3), Tulare (102), Yolo (10), and Yuba (3). **This is the first detection of WNV in Glenn and Solano Counties this year.** To date this year, 1,814 WNV positive mosquito pools have been reported from 24 counties. As of this date in 2016, 2,221 WNV positive mosquito pools had been reported from 30 counties.

St. Louis Encephalitis Virus

A total of ten mosquito pools tested positive for St. Louis encephalitis virus (SLEV) this week from four counties: Fresno (6), Placer (1), Stanislaus (2), and Tulare (1). **This is the first detection of SLEV activity in Placer and Tulare Counties in 2017.** To date this year, 30 SLEV positive mosquito pools have been reported from Fresno (13), Kern (6), Kings (4), Placer (1), Riverside (1), Stanislaus (3), Tulare (1), and Yuba (1) counties. As of this date in 2016, 80 SLEV positive mosquito pools had been reported from two counties.

Sentinel Chickens

A total of 18 WNV seroconversions were reported this week from two counties: Los Angeles (14), and San Bernardino (4). To date this year, 58 WNV seroconversions have been reported from five counties. As of this date in 2016, 135 WNV seroconversions had been reported from 13 counties.

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2016 & 2017 YTD West Nile Virus Comparisons		
	2016	2017
Total # Dead Bird Reports	6,706	4,838
# Positive Counties	35	31
# Human Cases	22	22
# Positive Dead Birds / # Tested	910 / 1,976	171 / 1,234
# Positive Mosquito Pools / # Tested	2,221 / 28,527	1,814 / 27,266
# Seroconversions / # Tested	135 / 6,411	58 / 6,805

YTD WNV Activity by Element and County, 2017				
County	Humans	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda		1		
Butte		2	15	2
Colusa		1		
Contra Costa		5	2	
El Dorado		1		
Fresno		2	62	
Glenn			11	
Inyo			5	
Kern	3	3	118	
Kings	1	1	38	
Lake		1	5	
Los Angeles	14	27	219	38
Madera			21	
Merced		1	20	5
Nevada		1		
Orange		11	72	
Placer		1	19	
Riverside		22	137	
Sacramento		37	63	
San Bernardino	4	22	185	12
San Diego		9	3	
San Joaquin		6	144	
San Mateo		1		
Santa Clara		2		
Santa Cruz		1		
Solano		1	3	
Stanislaus		2	98	
Sutter			13	
Tulare		8	524	
Yolo			25	
Yuba		2	12	1
Totals	22	171	1,814	58

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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

TESTING SUMMARIES

Humans

		WNV	SLE	WEE
Human Cases	Week	11	0	0
	YTD	22	0	0

Dead Birds

		Number Tested	WNV Positive
Dead Birds	Week	68	30
	YTD	1,234	171

Chickens

		Number Tested	WNV Positive	SLEV Positive	WEEV Positive
Chicken Sera	Week	441	18	0	0
	YTD	6,805	58	0	0

Mosquitoes

		Positive / Total Tested					
		WNV	SLEV	WEEV	CHIK	DENV	ZIKA
Mosquito Pools	Week	344 / 1,868	10 / 1,532	0 / 1,436	0 / 46	0 / 46	0 / 46
	YTD	1,814 / 27,266	29 / 22,797	0 / 21,005	0 / 838	0 / 838	0 / 838

New Positives

Dead Birds

County	Agency	City	Zip Code	Species	Date Reported	Virus
Contra Costa	Contra Costa MVCD	Danville	94526	American Crow	8/3/2017	WNV
Contra Costa	Contra Costa MVCD	Discovery Bay	94505	Western Scrub-Jay	8/8/2017	WNV
El Dorado	El Dorado Co Vector Control	South Lake Tahoe	96158	Steller's Jay	7/31/2017	WNV
Kings	Kings MAD	Hanford	93230	American Crow	7/25/2017	WNV
Los Angeles	Los Angeles Co Veterinarian	Sylmar	91342	American Crow	7/30/2017	WNV
Merced	Merced Co MAD	Los Banos	93635	American Robin	8/9/2017	WNV
Orange	Orange Co VCD	La Habra	90631	Northern Mockingbird	8/1/2017	WNV
Riverside	Northwest Mosquito VCD	Corona	92880	American Crow	8/1/2017	WNV
Riverside	Northwest Mosquito VCD	Norco	92860	American Crow	7/19/2017	WNV

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Riverside	Northwest Mosquito VCD	Norco	92860	American Crow	7/28/2017	WNV
Riverside	Northwest Mosquito VCD	Norco	92860	American Crow	7/28/2017	WNV
Riverside	Northwest Mosquito VCD	Norco	92860	American Crow	7/28/2017	WNV
Riverside	Northwest Mosquito VCD	Norco	92860	American Crow	7/28/2017	WNV
Riverside	Northwest Mosquito VCD	Riverside	92503	American Crow	7/28/2017	WNV
Riverside	Northwest Mosquito VCD	Riverside	92506	American Crow	8/3/2017	WNV
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	Western Scrub-Jay	8/10/2017	WNV
Sacramento	Sacramento-Yolo MVCD	Rancho Cordova	95670	Western Bluebird	8/3/2017	WNV
Sacramento	Sacramento-Yolo MVCD	Rio Linda	95673	American Crow	8/5/2017	WNV
Sacramento	Sacramento-Yolo MVCD	Rosemont	95826	Western Scrub-Jay	8/9/2017	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95826	American Crow	8/4/2017	WNV
San Bernardino	West Valley MVCD	Alta Loma	91737	American Crow	7/30/2017	WNV
San Bernardino	West Valley MVCD	Upland	91768	American Crow	8/3/2017	WNV
San Bernardino	West Valley MVCD	Upland	91784	American Crow	8/7/2017	WNV
San Bernardino	West Valley MVCD	Upland	91786	Sparrow	8/9/2017	WNV
San Diego	San Diego Co VCP	Julian	92036	Steller's Jay	8/8/2017	WNV
San Diego	San Diego Co VCP	San Diego	92154	American Crow	8/7/2017	WNV
San Joaquin	San Joaquin Co MVCD	Stockton	95207	Western Scrub-Jay	8/9/2017	WNV
San Joaquin	San Joaquin Co MVCD	Stockton	95210	American Crow	8/7/2017	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	8/8/2017	WNV
Solano	Solano Co MAD	Vallejo	94591	Sparrow	8/9/2017	WNV

Mosquito Pools

County	Site Code	Pool #	Species	City	# in Pool	Trap Type	Collected	Virus
Butte	BUCO30	261	Cx. tarsalis	Chico	50	CO2	8/7/17	WNV
Butte	BUCO30	262	Cx. tarsalis	Chico	50	CO2	8/7/17	WNV
Butte	BUCO30	263	Cx. tarsalis	Chico	50	CO2	8/7/17	WNV
Butte	BUCO67	253	Cx. tarsalis	Gridley	50	CO2	8/7/17	WNV
Butte	BUCO68	236	Cx. tarsalis	Gridley	50	CO2	8/2/17	WNV
Fresno	CNSL1267	376	Cx. quinquefasciatus	Clovis	32	GRVD	8/4/17	SLEV
Fresno	CNSL1632	378	Cx. quinquefasciatus	Fresno	41	GRVD	8/8/17	WNV
Fresno	CNSL1632	378	Cx. quinquefasciatus	Fresno	41	GRVD	8/8/17	SLEV
Fresno	FRNO1	241	Cx. quinquefasciatus	Easton	14	GRVD	8/4/17	WNV
Fresno	FRNO116	240	Cx. quinquefasciatus	Fresno	50	GRVD	8/4/17	WNV
Fresno	FRNO134	233	Cx. quinquefasciatus	FRESNO	45	BGSENT	8/4/17	WNV
Fresno	FRNO134	233	Cx. quinquefasciatus	FRESNO	45	BGSENT	8/4/17	SLEV
Fresno	FRNO134	237	Cx. tarsalis	FRESNO	8	BGSENT	8/3/17	SLEV
Fresno	FRNO15	239	Cx. quinquefasciatus	Fresno	12	BGSENT	8/4/17	SLEV
Fresno	FRWS100007	338	Cx. quinquefasciatus	Firebaugh, ca	12	OTHER	8/8/17	WNV
Fresno	FRWS200012	323	Cx. quinquefasciatus	Firebaugh	50	CO2	8/3/17	WNV
Fresno	FRWS210002	327	Cx. tarsalis		21	CO2	8/3/17	SLEV
Fresno	FRWS400003	332	Cx. quinquefasciatus	Mendota	33	GRVD	8/8/17	WNV
Fresno	FRWS5103	335	Cx. quinquefasciatus	Tranquility	18	OTHER	8/8/17	WNV
Fresno	FRWS5302	337	Cx. tarsalis	Helm	27	CO2	8/8/17	WNV
Glenn	BUCO47	247	Cx. tarsalis	Hamilton City	50	CO2	8/2/17	WNV
Glenn	GLENO	3	Unknown		50	NA	8/10/17	WNV
Glenn	GLENO	7	Unknown		50	NA	8/10/17	WNV
Glenn	GLENO	9	Unknown		50	NA	8/10/17	WNV
Glenn	GLENO	12	Unknown		50	NA	8/10/17	WNV
Glenn	GLENO	23	Unknown		50	NA	8/10/17	WNV
Glenn	GLENO	25	Unknown		50	NA	8/10/17	WNV
Glenn	GLENO	26	Unknown		50	NA	8/10/17	WNV
Glenn	GLENO	33	Unknown		50	NA	8/10/17	WNV

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Glenn	GLEN9703	1	Cx. tarsalis	Willows	50	CO2	8/8/17	WNV
Glenn	GLEN9703	2	Cx. tarsalis	Willows	50	CO2	8/8/17	WNV
Inyo	INYO1008	5	Cx. tarsalis	Lone Pine	50	CO2	8/8/17	WNV
Kern	DLNO1	196	Cx. quinquefasciatus	McFarland	24	GRVD	8/4/17	WNV
Kern	DLNO107	197	Cx. quinquefasciatus	Delano	22	GRVD	8/8/17	WNV
Kern	DLNO35	194	Cx. quinquefasciatus	Delano	26	GRVD	8/4/17	WNV
Kern	DLNO38	195	Cx. quinquefasciatus	Delano	35	GRVD	8/4/17	WNV
Kern	WEST6211	29	Cx. tarsalis	Taft	50	CO2	8/9/17	WNV
Kern	WEST6228	25	Cx. tarsalis	Bakersfield	50	CO2	8/9/17	WNV
Kern	WEST6230	26	Cx. tarsalis	Bakersfield	50	CO2	8/9/17	WNV
Kern	WEST6251	28	Cx. tarsalis		50	CO2	8/9/17	WNV
Kings	KNGS4403	273	Cx. tarsalis	Lemoore	11	BGSENT	8/1/17	WNV
Los Angeles	GRLA2021	5575	Cx. quinquefasciatus	Reseda	39	GRVD	8/3/17	WNV
Los Angeles	GRLA2023	5576	Cx. quinquefasciatus	Reseda	40	GRVD	8/3/17	WNV
Los Angeles	GRLA2029	5564	Cx. quinquefasciatus	Canoga Park	50	GRVD	8/3/17	WNV
Los Angeles	GRLA2030	5565	Cx. quinquefasciatus	West Hills	50	GRVD	8/3/17	WNV
Los Angeles	GRLA2031	5578	Cx. quinquefasciatus	Northridge	46	GRVD	8/3/17	WNV
Los Angeles	GRLA2032	5577	Cx. quinquefasciatus	Northridge	46	GRVD	8/3/17	WNV
Los Angeles	GRLA2034	5573	Cx. quinquefasciatus	Tarzana	50	GRVD	8/3/17	WNV
Los Angeles	GRLA2035	5574	Cx. quinquefasciatus	Tarzana	43	GRVD	8/3/17	WNV
Los Angeles	GRLA2065	593	Cx. quinquefasciatus	Gardena	50	GRVD	8/4/17	WNV
Los Angeles	GRLA2097	550	Cx. quinquefasciatus	La Mirada	50	GRVD	8/1/17	WNV
Los Angeles	GRLA2100	559	Cx. quinquefasciatus	Norwalk	50	GRVD	8/1/17	WNV
Los Angeles	GRLA2101	552	Cx. quinquefasciatus	Santa Fe Springs	50	GRVD	8/1/17	WNV
Los Angeles	GRLA2123	590	Cx. quinquefasciatus	Harbor City	50	GRVD	8/4/17	WNV
Los Angeles	GRLA2247	563	Cx. quinquefasciatus	Pico Rivera	50	GRVD	8/1/17	WNV
Los Angeles	GRLA2268	558	Cx. quinquefasciatus	Cerritos	50	GRVD	8/1/17	WNV
Los Angeles	GRLA2321	592	Cx. quinquefasciatus	Carson	50	GRVD	8/4/17	WNV
Los Angeles	GRLA2346	562	Cx. quinquefasciatus	Montebello	50	GRVD	8/1/17	WNV
Los Angeles	GRLA2450	5558	Cx. quinquefasciatus	Glendale	14	GRVD	8/1/17	WNV
Los Angeles	GRLA2478	5587	Cx. quinquefasciatus	Sunland	34	GRVD	8/4/17	WNV
Los Angeles	GRLA2554	5563	Cx. quinquefasciatus	Winnetka	29	GRVD	8/3/17	WNV
Los Angeles	GRLA2555	5572	Cx. quinquefasciatus	Encino	50	GRVD	8/3/17	WNV
Los Angeles	GRLA2604	5556	Cx. quinquefasciatus	Los Angeles	48	GRVD	8/1/17	WNV
Los Angeles	GRLA2635	5571	Cx. quinquefasciatus	Van Nuys	50	GRVD	8/3/17	WNV
Los Angeles	GRLA2636	5570	Cx. quinquefasciatus	Van Nuys	50	GRVD	8/3/17	WNV
Los Angeles	GRLA2889	568	Cx. quinquefasciatus	Lakewood	50	GRVD	8/2/17	WNV
Los Angeles	GRLA2890	569	Cx. quinquefasciatus	Lakewood	50	GRVD	8/2/17	WNV
Los Angeles	GRLA2952	551	Cx. quinquefasciatus	South Whittier	50	GRVD	8/1/17	WNV
Los Angeles	GRLA2953	554	Cx. quinquefasciatus	Santa Fe Springs	50	GRVD	8/1/17	WNV
Los Angeles	GRLA2955	556	Cx. quinquefasciatus	Cerritos	50	GRVD	8/1/17	WNV
Los Angeles	GRLA2957	565	Cx. quinquefasciatus	Hawaiian Gardens	50	GRVD	8/2/17	WNV
Los Angeles	GRLA2962	5569	Cx. quinquefasciatus	Chatsworth	39	GRVD	8/3/17	WNV
Los Angeles	GRLA2995	5562	Cx. quinquefasciatus	Woodland Hills	17	GRVD	8/3/17	WNV
Los Angeles	GRLA3028	5567	Cx. quinquefasciatus	West Hills	50	GRVD	8/3/17	WNV
Los Angeles	GRLA3036	5566	Cx. quinquefasciatus	Canoga Park	31	GRVD	8/3/17	WNV
Los Angeles	GRLA3040	553	Cx. quinquefasciatus	La Mirada	31	GRVD	8/1/17	WNV
Los Angeles	GRLA3041	557	Cx. quinquefasciatus	Artesia	50	GRVD	8/1/17	WNV
Los Angeles	GRLA3046	582	Cx. quinquefasciatus	Bellflower	50	GRVD	8/3/17	WNV
Los Angeles	GRLA3047	583	Cx. quinquefasciatus	Downey	50	GRVD	8/3/17	WNV
Los Angeles	GRLA3048	560	Cx. quinquefasciatus	Pico Rivera	50	GRVD	8/1/17	WNV
Los Angeles	GRLA3049	571	Cx. quinquefasciatus	Downey	50	GRVD	8/3/17	WNV
Los Angeles	GRLA3051	567	Cx. quinquefasciatus	Signal Hill	50	GRVD	8/2/17	WNV
Los Angeles	GRLA3055	574	Cx. quinquefasciatus	Maywood	50	GRVD	8/3/17	WNV
Los Angeles	GRLA3057	584	Cx. quinquefasciatus	Huntington Park	42	CO2	8/3/17	WNV

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Los Angeles	GRLA3059	580	Cx. quinquefasciatus	Paramount	50	GRVD	8/3/17	WNV
Los Angeles	GRLA3060	555	Cx. quinquefasciatus	Norwalk	50	GRVD	8/1/17	WNV
Los Angeles	GRLA3067	594	Cx. quinquefasciatus	Gardena	50	GRVD	8/4/17	WNV
Los Angeles	GRLA3068	589	Cx. quinquefasciatus	Wilmington	50	GRVD	8/4/17	WNV
Los Angeles	GRLA3089	5557	Cx. quinquefasciatus	Glendale, CA	27	GRVD	8/1/17	WNV
Los Angeles	GRLA3133	5581	Cx. quinquefasciatus	San Fernando	50	GRVD	8/4/17	WNV
Los Angeles	SGVA102	1932	Cx. quinquefasciatus	Monterey Park	3	BGSENT	8/3/17	WNV
Los Angeles	SGVA953	1893	Cx. quinquefasciatus	Covina	25	GRVD	8/2/17	WNV
Los Angeles	SGVA953	1894	Cx. quinquefasciatus	Covina	25	GRVD	8/2/17	WNV
Los Angeles	SGVA953	1896	Cx. quinquefasciatus	Covina	25	GRVD	8/2/17	WNV
Los Angeles	SGVA953	1897	Cx. quinquefasciatus	Covina	20	GRVD	8/2/17	WNV
Los Angeles	SGVA953	1899	Cx. quinquefasciatus	Covina	25	GRVD	8/2/17	WNV
Los Angeles	SGVA953	1900	Cx. quinquefasciatus	Covina	25	GRVD	8/2/17	WNV
Los Angeles	SGVA953	1901	Cx. quinquefasciatus	Covina	7	GRVD	8/2/17	WNV
Los Angeles	SGVA953	1902	Cx. tarsalis	Covina	4	GRVD	8/2/17	WNV
Los Angeles	SGVA953	1904	Cx. quinquefasciatus	Covina	25	GRVD	8/2/17	WNV
Los Angeles	SGVA953	1908	Cx. tarsalis	Covina	15	GRVD	8/2/17	WNV
Los Angeles	SGVA957	1931	Cx. tarsalis	Duarte	4	GRVD	8/3/17	WNV
Los Angeles	SGVA963	1882	Cx. quinquefasciatus	El Monte	25	GRVD	8/2/17	WNV
Los Angeles	SGVA963	1889	Cx. quinquefasciatus	El Monte	25	GRVD	8/2/17	WNV
Los Angeles	SGVA964	1940	Cx. quinquefasciatus		25	GRVD	8/4/17	WNV
Los Angeles	SGVA965	1916	Cx. quinquefasciatus	Claremont	22	GRVD	8/3/17	WNV
Los Angeles	SGVA965	1918	Cx. quinquefasciatus	Claremont	13	GRVD	8/3/17	WNV
Los Angeles	SGVA966	1919	Cx. quinquefasciatus		23	GRVD	8/3/17	WNV
Los Angeles	SGVA966	1921	Cx. quinquefasciatus		25	GRVD	8/3/17	WNV
Los Angeles	SGVA966	1922	Cx. quinquefasciatus		9	GRVD	8/3/17	WNV
Madera	MADR1109	207	Cx. tarsalis	Madera	50	CO2	8/8/17	WNV
Madera	MADR1117	183	Cx. tarsalis	Firebaugh	50	CO2	8/1/17	WNV
Madera	MADR1117	185	Cx. quinquefasciatus	Firebaugh	50	CO2	8/1/17	WNV
Madera	MADR1117	188	Cx. tarsalis	Firebaugh	50	CO2	8/1/17	WNV
Madera	MADR1117	189	Cx. quinquefasciatus	Firebaugh	50	CO2	8/1/17	WNV
Madera	MADR300	193	Cx. quinquefasciatus	Chowchilla	50	CO2	8/2/17	WNV
Madera	MADR3334	203	Cx. quinquefasciatus	Madera	36	CO2	8/4/17	WNV
Madera	MADR3334	204	Cx. tarsalis	Madera	25	CO2	8/4/17	WNV
Madera	MADR952	208	Cx. tarsalis	Madera	50	CO2	8/8/17	WNV
Merced	MERC1005	167	Cx. pipiens	Atwater	17	CO2	8/2/2017	WNV
Merced	MERC201723	176	Cx. pipiens	Winton	50	CO2	8/3/2017	WNV
Merced	MERC201746	227	Cx. tarsalis	Livingston	43	CO2	8/8/17	WNV
Merced	MERC505	203	Cx. tarsalis	Livingston	50	CO2	8/8/17	WNV
Merced	MERC505	208	Cx. tarsalis	Livingston	50	CO2	8/8/17	WNV
Merced	MERC505	218	Cx. pipiens	Livingston	50	CO2	8/8/17	WNV
Merced	MERC7	172	Cx. pipiens	Dos Palos	47	CO2	8/2/2017	WNV
Merced	MERC711	170	Cx. tarsalis	Merced	50	CO2	8/2/2017	WNV
Orange	ORCO1005	3174	Cx. quinquefasciatus	Buena Park	41	GRVD	8/4/17	WNV
Orange	ORCO1036	3161	Cx. quinquefasciatus	Buena Park	50	GRVD	8/3/17	WNV
Orange	ORCO1037	3152	Cx. quinquefasciatus	La Habra	27	GRVD	8/3/17	WNV
Orange	ORCO170	3154	Cx. quinquefasciatus	Anaheim	35	GRVD	8/3/17	WNV
Orange	ORCO2	3163	Cx. quinquefasciatus	Fullerton	50	GRVD	8/3/17	WNV
Orange	ORCO245	3148	Cx. quinquefasciatus	Santa Ana	14	GRVD	8/3/17	WNV
Orange	ORCO34	3158	Cx. quinquefasciatus	Brea	50	GRVD	8/3/17	WNV
Orange	ORCO50	3151	Cx. quinquefasciatus	Buena Park	40	GRVD	8/3/17	WNV
Placer	PLCR1113	1292	Cx. tarsalis	Pleasant Grove	50	CO2	8/8/17	WNV
Placer	PLCR1114	1282	Cx. tarsalis	Lincoln	50	CO2	8/8/17	WNV
Placer	PLCR194232	1295	Cx. tarsalis		50	OTHER	8/8/17	WNV
Placer	PLCR88	1322	Cx. tarsalis	Lincoln	50	CO2	8/10/17	SLEV
Riverside	COAV0	3222	Cx. tarsalis		41	CO2	8/10/17	WNV
Riverside	COAV200	3164	Cx. tarsalis	Mecca	14	CO2	8/8/17	WNV
Riverside	COAV45	3168	Cx. tarsalis	Mecca	50	CO2	8/8/17	WNV
Riverside	COAV45	3175	Cx. tarsalis	Mecca	47	CO2	8/8/17	WNV

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Riverside	NWST117	199	Cx. quinquefasciatus	Corona	21	CO2	8/8/17	WNV
Riverside	NWST141	190	Cx. quinquefasciatus	Riverside	20	CO2	8/2/17	WNV
Riverside	NWST155	193	Cx. tarsalis	Corona	33	CO2	8/3/17	WNV
Riverside	NWST198	201	Cx. quinquefasciatus	Corona	22	CO2	8/8/17	WNV
Riverside	NWST223	192	Cx. quinquefasciatus	Corona	18	GRVD	8/3/17	WNV
Riverside	NWST83	207	Cx. quinquefasciatus	Riverside	32	CO2	8/8/17	WNV
Riverside	NWST90	188	Cx. quinquefasciatus	Riverside	43	CO2	8/2/17	WNV
Sacramento	SAYO202006	4416	Cx. tarsalis	Sacramento	50	CO2	8/10/17	WNV
Sacramento	SAYO213013	4273	Cx. tarsalis	Sacramento	16	CO2	8/8/17	WNV
Sacramento	SAYO214021	4176	Cx. pipiens	Rancho Cordova	5	GRVD	8/8/17	WNV
Sacramento	SAYO232012	4214	Cx. pipiens	Elk Grove	21	CO2	8/8/17	WNV
Sacramento	SAYO233026	4198	Cx. pipiens	Elk Grove	24	GRVD	8/8/17	WNV
Sacramento	SAYO242004	4375	Cx. pipiens	Elk Grove	3	GRVD	8/10/17	WNV
Sacramento	SAYO243012	4358	Cx. tarsalis	Elk Grove	50	CO2	8/10/17	WNV
Sacramento	SAYO243012	4360	Cx. pipiens	Elk Grove	50	CO2	8/10/17	WNV
Sacramento	SAYO243012	4361	Cx. pipiens	Elk Grove	50	CO2	8/10/17	WNV
Sacramento	SAYO243012	4362	Cx. pipiens	Elk Grove	50	CO2	8/10/17	WNV
Sacramento	SAYO243014	4200	Cx. pipiens	Elk Grove	8	CO2	8/8/17	WNV
Sacramento	SAYO243025	4207	Cx. pipiens	Elk Grove	42	CO2	8/8/17	WNV
Sacramento	SAYO243026	4353	Cx. pipiens	Elk Grove	31	CO2	8/10/17	WNV
Sacramento	SAYO243032	4347	Cx. pipiens	Elk Grove	50	CO2	8/10/17	WNV
Sacramento	SAYO245002	4500	Cx. tarsalis	Wilton	28	CO2	8/10/17	WNV
Sacramento	SAYO254011	4491	Cx. pipiens	Galt	4	CO2	8/10/17	WNV
San Bernardino	SANB136	833	Cx. tarsalis	Fontana	1	CO2	8/3/17	WNV
San Bernardino	SANB139	786	Cx. quinquefasciatus		3	CO2	8/1/17	WNV
San Bernardino	SANB47	791	Cx. stigmatosoma	San Bernardino	3	CO2	8/1/17	WNV
San Bernardino	SANB47	792	Cx. tarsalis	San Bernardino	3	CO2	8/1/17	WNV
San Bernardino	WVAL3227	1733	Cx. quinquefasciatus	Upland	27	BGSENT	8/10/17	WNV
San Bernardino	WVAL5002	1710	Cx. quinquefasciatus	Rancho Cucamonga	13	GRVD	8/9/17	WNV
San Bernardino	WVAL5004	1713	Cx. quinquefasciatus	Rancho Cucamonga	21	GRVD	8/9/17	WNV
San Bernardino	WVAL5004	1714	Cx. stigmatosoma	Rancho Cucamonga	7	GRVD	8/9/17	WNV
San Bernardino	WVAL5005	1715	Cx. stigmatosoma	Rancho Cucamonga	31	GRVD	8/9/17	WNV
San Bernardino	WVAL5006	1711	Cx. quinquefasciatus	Rancho Cucamonga	14	GRVD	8/9/17	WNV
San Bernardino	WVAL5006	1712	Cx. quinquefasciatus	Rancho Cucamonga	25	GRVD	8/9/17	WNV
San Bernardino	WVAL6005	1699	Cx. quinquefasciatus	Ontario	10	GRVD	8/9/17	WNV
San Bernardino	WVAL7002	1703	Cx. quinquefasciatus	Montclair	18	GRVD	8/9/17	WNV
San Bernardino	WVAL86	1746	Cx. stigmatosoma	Ontario	5	GRVD	8/11/17	WNV
San Bernardino	WVAL86	1747	Cx. quinquefasciatus	Ontario	18	GRVD	8/11/17	WNV
San Bernardino	WVAL9001	1709	Cx. quinquefasciatus	Upland	6	GRVD	8/9/17	WNV
San Bernardino	WVAL9003	1688	Cx. quinquefasciatus	Upland	30	GRVD	8/9/17	WNV
San Bernardino	WVAL9003	1689	Cx. quinquefasciatus	Upland	25	GRVD	8/9/17	WNV
San Bernardino	WVAL9006	1700	Cx. quinquefasciatus	Upland	23	GRVD	8/9/17	WNV
San Diego	SAND12439	1490	Cx. quinquefasciatus	VISTA	8	GRVD	7/27/17	WNV
San Joaquin	SJCM7021	2029	Cx. pipiens	Stockton	10	CO2	8/7/17	WNV
San Joaquin	SJCM8018	2037	Cx. tarsalis	Stockton	50	CO2	8/7/17	WNV
San Joaquin	SJCM8025	2015	Cx. pipiens	Stockton	28	CO2	8/7/17	WNV
San Joaquin	SJCM8026	2049	Cx. tarsalis	Stockton	50	CO2	8/7/17	WNV
San Joaquin	SJCM8026	2053	Cx. pipiens	Stockton	50	CO2	8/7/17	WNV
San Joaquin	SJCM8083	2007	Cx. tarsalis	Escalon	8	CO2	8/7/17	WNV
San Joaquin	SJCM8106	1981	Cx. tarsalis	Escalon	20	CO2	8/2/17	WNV
San Joaquin	SJCM8111	2019	Cx. tarsalis	Stockton	50	CO2	8/7/17	WNV
San Joaquin	SJCM8151	2057	Cx. pipiens	Lodi	15	CO2	8/7/17	WNV

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San Joaquin	SJCM8199	2003	Cx. tarsalis	Manteca	44	CO2	8/7/17	WNV
San Joaquin	SJCM8209	1996	Cx. tarsalis	Lodi	44	CO2	8/2/17	WNV
San Joaquin	SJCM8209	1997	Cx. pipiens	Lodi	8	CO2	8/2/17	WNV
San Joaquin	SJCM8209	2062	Cx. pipiens	Lodi	16	CO2	8/9/17	WNV
San Joaquin	SJCM8218	1985	Cx. tarsalis	Escalon	50	CO2	8/2/17	WNV
San Joaquin	SJCM8218	1986	Cx. tarsalis	Escalon	50	CO2	8/2/17	WNV
San Joaquin	SJCM8218	1987	Cx. tarsalis	Escalon	50	CO2	8/2/17	WNV
San Joaquin	SJCM8218	1988	Cx. tarsalis	Escalon	50	CO2	8/2/17	WNV
San Joaquin	SJCM8218	1989	Cx. tarsalis	Escalon	35	CO2	8/2/17	WNV
San Joaquin	SJCM8218	1990	Cx. pipiens	Escalon	37	CO2	8/2/17	WNV
San Joaquin	SJCM8218	2073	Cx. tarsalis	Escalon	55	CO2	8/9/17	WNV
San Joaquin	SJCM8218	2074	Cx. pipiens	Escalon	21	CO2	8/9/17	WNV
San Joaquin	SJCM8219	2010	Cx. pipiens	Stockton	9	CO2	8/7/17	WNV
San Joaquin	SJCM8222	2024	Cx. tarsalis	Stockton	38	CO2	8/7/17	WNV
San Joaquin	SJCM8222	2025	Cx. pipiens	Stockton	5	CO2	8/7/17	WNV
Solano	SOLA307	74	Cx. tarsalis	Suisun City	50	CO2	8/3/17	WNV
Solano	SOLA307	76	Cx. tarsalis	Suisun City	50	CO2	8/3/17	WNV
Solano	SOLA308	69	Cx. tarsalis	Suisun City	50	CO2	8/3/17	WNV
Stanislaus	TRLK1209	704	Cx. pipiens	Ceres	50	CO2	8/8/17	WNV
Stanislaus	TRLK1209	705	Cx. pipiens	Ceres	50	CO2	8/8/17	WNV
Stanislaus	TRLK1209	710	Cx. pipiens	Ceres	50	CO2	8/8/17	WNV
Stanislaus	TRLK1209	713	Cx. pipiens	Ceres	50	CO2	8/8/17	WNV
Stanislaus	TRLK1209	716	Cx. tarsalis	Ceres	50	CO2	8/8/17	WNV
Stanislaus	TRLK1301	684	Cx. pipiens	Denair	49	CO2	8/8/17	WNV
Stanislaus	TRLK1302	667	Cx. pipiens	Turlock	18	CO2	8/8/17	WNV
Stanislaus	TRLK1308	680	Cx. pipiens	Turlock	47	CO2	8/8/17	WNV
Stanislaus	TRLK1309	700	Cx. pipiens	Hughson	10	CO2	8/8/17	WNV
Stanislaus	TRLK1310	701	Cx. pipiens	Hughson	12	CO2	8/8/17	WNV
Stanislaus	TRLK1640	660	Cx. pipiens	Turlock	18	CO2	8/3/17	SLEV
Stanislaus	TRLK1679	661	Cx. pipiens	Turlock	50	CO2	8/3/17	WNV
Stanislaus	TRLK432	679	Cx. pipiens	Turlock	43	CO2	8/9/17	SLEV
Stanislaus	TRLK17152	666	Cx. pipiens	Denair	50	CO2	8/3/17	WNV
Stanislaus	TRLK17174	655	Cx. pipiens	Turlock	50	CO2	8/3/17	WNV
Stanislaus	TRLK17175	658	Cx. pipiens	Turlock	42	CO2	8/3/17	WNV
Stanislaus	TRLK432	678	Cx. tarsalis	Turlock	50	CO2	8/8/17	WNV
Stanislaus	TRLK432	679	Cx. pipiens	Turlock	43	CO2	8/8/17	WNV
Stanislaus	TRLK516	692	Cx. pipiens	Denair	37	CO2	8/8/17	WNV
Stanislaus	TRLK516	693	Cx. tarsalis	Denair	44	CO2	8/8/17	WNV
Stanislaus	TRLK526	682	Cx. pipiens	Denair	50	CO2	8/8/17	WNV
Stanislaus	TRLK536	670	Cx. pipiens	Turlock	48	CO2	8/8/17	WNV
Sutter	SUYA70	344	Cx. tarsalis	Yuba City	41	CO2	8/7/17	WNV
Sutter	SUYA84	305	Cx. pipiens	Yuba City	10	REST	8/7/17	WNV
Sutter	SUYA9	331	Cx. tarsalis	Sutter	40	CO2	8/7/17	WNV
Tulare	DLTA6236	2041	Cx. quinquefasciatus	Kingsburg	50	CO2	8/3/17	WNV
Tulare	DLTA6330	2031	Cx. stigmatosoma	Kingsburg	25	CO2	8/3/17	WNV
Tulare	DLTA6330	2031	Cx. stigmatosoma	Kingsburg	25	CO2	8/3/17	SLEV
Tulare	DLTA6330	2047	Cx. tarsalis	Kingsburg	10	CO2	8/3/17	WNV
Tulare	DLTA6330	2048	Cx. stigmatosoma	Kingsburg	32	CO2	8/3/17	WNV
Tulare	DLTA6330	2049	Cx. quinquefasciatus	Kingsburg	17	CO2	8/3/17	WNV
Tulare	DLTA6404	2065	Cx. tarsalis	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2066	Cx. tarsalis	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2067	Cx. tarsalis	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2068	Cx. tarsalis	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2069	Cx. quinquefasciatus	Dinuba	41	CO2	8/4/17	WNV
Tulare	DLTA6404	2070	Cx. quinquefasciatus	Dinuba	10	CO2	8/4/17	WNV
Tulare	DLTA6404	2075	Cx. stigmatosoma	Dinuba	10	CO2	8/4/17	WNV
Tulare	DLTA6404	2076	Cx. tarsalis	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2077	Cx. tarsalis	Dinuba	39	CO2	8/4/17	WNV
Tulare	DLTA6404	2081	Cx. tarsalis	Dinuba	50	CO2	8/4/17	WNV

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Tulare	DLTA6404	2082	Cx. tarsalis	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2084	Cx. quinquefasciatus	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2098	Cx. tarsalis	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2099	Cx. tarsalis	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2100	Cx. tarsalis	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2101	Cx. tarsalis	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2102	Cx. stigmatosoma	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2103	Cx. stigmatosoma	Dinuba	29	CO2	8/4/17	WNV
Tulare	DLTA6404	2104	Cx. stigmatosoma	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2105	Cx. quinquefasciatus	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2106	Cx. quinquefasciatus	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2107	Cx. quinquefasciatus	Dinuba	50	CO2	8/4/17	WNV
Tulare	DLTA6404	2108	Cx. quinquefasciatus	Dinuba	36	CO2	8/4/17	WNV
Tulare	DLTA6404	2211	Cx. tarsalis	Dinuba	50	CO2	8/10/17	WNV
Tulare	DLTA6404	2212	Cx. tarsalis	Dinuba	50	CO2	8/10/17	WNV
Tulare	DLTA6404	2216	Cx. tarsalis	Dinuba	50	CO2	8/10/17	WNV
Tulare	DLTA6404	2217	Cx. tarsalis	Dinuba	50	CO2	8/10/17	WNV
Tulare	DLTA6404	2218	Cx. tarsalis	Dinuba	50	CO2	8/10/17	WNV
Tulare	DLTA6404	2219	Cx. tarsalis	Dinuba	50	CO2	8/10/17	WNV
Tulare	DLTA6404	2220	Cx. quinquefasciatus	Dinuba	50	CO2	8/10/17	WNV
Tulare	DLTA6404	2221	Cx. quinquefasciatus	Dinuba	18	CO2	8/10/17	WNV
Tulare	DLTA6407	2158	Cx. quinquefasciatus	Dinuba	50	GRVD	8/8/17	WNV
Tulare	DLTA6407	2159	Cx. quinquefasciatus	Dinuba	18	GRVD	8/8/17	WNV
Tulare	DLTA6407	2241	Cx. quinquefasciatus	Dinuba	35	GRVD	8/10/17	WNV
Tulare	DLTA6408	2121	Cx. quinquefasciatus	Dinuba	17	GRVD	8/4/17	WNV
Tulare	DLTA6408	2128	Cx. tarsalis	Dinuba	22	CO2	8/8/17	WNV
Tulare	DLTA6408	2129	Cx. quinquefasciatus	Dinuba	29	CO2	8/8/17	WNV
Tulare	DLTA6408	2157	Cx. quinquefasciatus	Dinuba	25	GRVD	8/8/17	WNV
Tulare	DLTA6408	2215	Cx. quinquefasciatus	Dinuba	24	CO2	8/10/17	WNV
Tulare	DLTA6408	2244	Cx. tarsalis	Dinuba	32	CO2	8/10/17	WNV
Tulare	DLTA6408	2245	Cx. quinquefasciatus	Dinuba	34	CO2	8/10/17	WNV
Tulare	DLTA6408	2250	Cx. quinquefasciatus	Dinuba	12	GRVD	8/10/17	WNV
Tulare	DLTA6409	2133	Cx. tarsalis	Dinuba	50	CO2	8/8/17	WNV
Tulare	DLTA6409	2134	Cx. tarsalis	Dinuba	23	CO2	8/8/17	WNV
Tulare	DLTA6409	2135	Cx. quinquefasciatus	Dinuba	50	CO2	8/8/17	WNV
Tulare	DLTA6409	2136	Cx. quinquefasciatus	Dinuba	42	CO2	8/8/17	WNV
Tulare	DLTA6409	2223	Cx. tarsalis	Dinuba	50	CO2	8/10/17	WNV
Tulare	DLTA6409	2225	Cx. tarsalis	Dinuba	46	CO2	8/10/17	WNV
Tulare	DLTA6409	2226	Cx. quinquefasciatus	Dinuba	42	CO2	8/10/17	WNV
Tulare	DLTA6409	2227	Cx. quinquefasciatus	Dinuba	10	CO2	8/10/17	WNV
Tulare	DLTA6416	2122	Cx. quinquefasciatus	Dinuba	11	GRVD	8/4/17	WNV
Tulare	DLTA6417	2130	Cx. quinquefasciatus	Dinuba	20	CO2	8/8/17	WNV
Tulare	DLTA6417	2222	Cx. quinquefasciatus	Dinuba	22	CO2	8/10/17	WNV
Tulare	DLTA6420	2239	Cx. quinquefasciatus	Dinuba	45	GRVD	8/10/17	WNV
Tulare	DLTA6518	2059	Cx. quinquefasciatus	Cutler	10	GRVD	8/3/17	WNV
Tulare	DLTA6518	2249	Cx. quinquefasciatus	Cutler	48	GRVD	8/10/17	WNV
Tulare	DLTA6520	2247	Cx. quinquefasciatus	Cutler	12	GRVD	8/10/17	WNV
Tulare	DLTA8413	2192	Cx. quinquefasciatus	Visalia	25	GRVD	8/9/17	WNV
Tulare	DLTA8419	2155	Cx. quinquefasciatus	Goshen	47	GRVD	8/8/17	WNV
Tulare	DLTA8419	2188	Cx. quinquefasciatus	Goshen	43	GRVD	8/9/17	WNV
Tulare	DLTA8423	2062	Cx. quinquefasciatus	Visalia	28	GRVD	8/3/17	WNV
Tulare	DLTA8423	2118	Cx. quinquefasciatus	Visalia	15	GRVD	8/4/17	WNV
Tulare	DLTA8424	2190	Cx. quinquefasciatus	Visalia	40	GRVD	8/9/17	WNV
Tulare	DLTA8424	2191	Cx. quinquefasciatus	Visalia	15	GRVD	8/9/17	WNV
Tulare	DLTA8425	2092	Cx. quinquefasciatus	Visalia	27	GRVD	8/4/17	WNV
Tulare	DLTA8425	2164	Cx. quinquefasciatus	Visalia	21	GRVD	8/8/17	WNV
Tulare	DLTA8427	2045	Cx. quinquefasciatus	Visalia	30	GRVD	8/3/17	WNV
Tulare	DLTA8434	2023	Cx. quinquefasciatus	Visalia	30	GRVD	8/3/17	WNV
Tulare	DLTA8434	2088	Cx. quinquefasciatus	Visalia	33	GRVD	8/4/17	WNV

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Tulare	DLTA8436	2142	Cx. quinquefasciatus	Visalia	22	GRVD	8/8/17	WNV
Tulare	DLTA8512	2113	Cx. quinquefasciatus	Ivanhoe	28	GRVD	8/4/17	WNV
Tulare	DLTA8520	2203	Cx. quinquefasciatus	Visalia	15	GRVD	8/9/17	WNV
Tulare	DLTA8521	2145	Cx. quinquefasciatus	Visalia	26	GRVD	8/8/17	WNV
Tulare	DLTA8522	2243	Cx. quinquefasciatus	Visalia	12	GRVD	8/10/17	WNV
Tulare	DLTA8527	2242	Cx. quinquefasciatus	Visalia	10	GRVD	8/10/17	WNV
Tulare	DLTA8533	2080	Cx. quinquefasciatus	Visalia	35	GRVD	8/4/17	WNV
Tulare	DLTA8533	2236	Cx. quinquefasciatus	Visalia	16	GRVD	8/10/17	WNV
Tulare	DLTA8534	2199	Cx. quinquefasciatus	Visalia	13	GRVD	8/9/17	WNV
Tulare	DLTA8615	2169	Cx. tarsalis		40	CO2	8/9/17	WNV
Tulare	DLTA9402	2022	Cx. quinquefasciatus	Visalia	11	GRVD	8/3/17	WNV
Tulare	DLTA9402	2125	Cx. quinquefasciatus	Visalia	22	GRVD	8/8/17	WNV
Tulare	DLTA9403	2124	Cx. quinquefasciatus	Visalia	15	GRVD	8/8/17	WNV
Tulare	DLTA9411	2024	Cx. quinquefasciatus	Visalia	24	GRVD	8/3/17	WNV
Tulare	DLTA9412	2040	Cx. quinquefasciatus	Visalia	42	GRVD	8/3/17	WNV
Tulare	DLTA9501	2117	Cx. quinquefasciatus	Farmersville	28	GRVD	8/4/17	WNV
Tulare	DLTA9504	2054	Cx. quinquefasciatus	Visalia	16	GRVD	8/3/17	WNV
Tulare	DLTA9505	2056	Cx. quinquefasciatus	Visalia	28	GRVD	8/3/17	WNV
Tulare	DLTA9506	2091	Cx. quinquefasciatus	Visalia	24	GRVD	8/4/17	WNV
Tulare	DLTA9506	2148	Cx. quinquefasciatus	Visalia	31	GRVD	8/8/17	WNV
Tulare	DLTA9511	2096	Cx. quinquefasciatus	Farmersville	50	GRVD	8/4/17	WNV
Tulare	DLTA9604	2178	Cx. quinquefasciatus	Exeter	15	GRVD	8/9/17	WNV
Tulare	DLTA9606	2114	Cx. quinquefasciatus	Farmersville	24	GRVD	8/4/17	WNV
Tulare	DLTA9606	2147	Cx. quinquefasciatus	Farmersville	40	GRVD	8/8/17	WNV
Tulare	DLTA9610	2112	Cx. quinquefasciatus	Exeter	28	GRVD	8/4/17	WNV
Tulare	TLRE192435	169	Cx. quinquefasciatus	Tulare	24	GRVD	8/10/17	WNV
Tulare	TLRE192507	166	Cx. quinquefasciatus	Visalia	18	GRVD	8/8/17	WNV
Tulare	TLRE202411	167	Cx. quinquefasciatus	Tulare	50	GRVD	8/10/17	WNV
Yolo	SAYO103007	4476	Cx. tarsalis	Dunnigan	50	CO2	8/10/17	WNV
Yolo	SAYO103007	4477	Cx. tarsalis	Dunnigan	50	CO2	8/10/17	WNV
Yolo	SAYO114001	4458	Cx. tarsalis	Zamora	38	CO2	8/10/17	WNV
Yolo	SAYO116002	4471	Cx. tarsalis	Knights Landing	50	CO2	8/10/17	WNV
Yolo	SAYO124007	4410	Cx. tarsalis	Woodland	40	CO2	8/10/17	WNV
Yolo	SAYO125002	4454	Cx. tarsalis	Yolo	50	CO2	8/10/17	WNV
Yolo	SAYO135016	4427	Cx. tarsalis	Woodland	50	CO2	8/10/17	WNV
Yolo	SAYO145016	4249	Cx. tarsalis	Davis	50	CO2	8/8/17	WNV
Yolo	SAYO146002	4222	Cx. tarsalis	Davis	50	CO2	8/8/17	WNV
Yolo	SAYO146017	4230	Cx. tarsalis	Davis	50	CO2	8/8/17	WNV
Yuba	SUYA108	322	Cx. tarsalis	Plumas Lake	50	CO2	8/7/17	WNV
Yuba	SUYA40	318	Cx. tarsalis	Marysville (Linda)	47	CO2	8/7/17	WNV
Yuba	SUYA97	315	Cx. tarsalis	Marysville	16	REST	8/7/17	WNV

Sentinel Chickens

County	Site Code	City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04
Los Angeles	ANTV2667	Palmdale	8/2/17	WNV	1049			
Los Angeles	ANTV5465	Quartz Hill	8/2/17	WNV	1034	1035	1037	
Los Angeles	GRLA2056	Long Beach	8/1/17	WNV	4705	4709		
Los Angeles	GRLA2465	Los Feliz	7/31/17	WNV	4741	4742	4744	4749
Los Angeles	GRLA2615	Newhall	7/31/17	WNV	4755	4760		
Los Angeles	SGVA0004	Arcadia	7/31/17	WNV	4540	4541		

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Week 32 Friday, August 11, 2017

San Bernardino	SANB0007	Fontana	8/2/17	WNV	2743	2746	2747	
San Bernardino	SANB0029	San Bernardino	8/1/17	WNV	2709			

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 RNA preservation cards and tested by the UC Davis Arbovirus Research and Training laboratory (DART) for West Nile virus by the singleplex qRT-PCR Taqman assay and confirmed with a second primer set. Some local agencies test birds using the RAMP© test or conduct RT-PCR on tissue samples.

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 antibodies to West Nile, western equine encephalomyelitis, and St. Louis encephalitis viruses by EIA. Positive samples are confirmed by IFA, western-blot, or PRNT.

Mosquito Pools:

Mosquito pools submitted to DART are tested for West Nile, western equine encephalomyelitis, and St. Louis encephalitis viral RNA using a multiplex qRT-PCR. Invasive *Aedes* mosquitoes (*Ae. aegypti* and *Ae. albopictus*) are also tested for chikungunya, dengue, and Zika viral RNA by a separate qRT-PCR.

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