

California Arbovirus Surveillance Bulletin #22

Week 37 Friday, September 11, 2020



Weekly Update

Humans

West Nile virus

A total of two human cases of West Nile virus (WNV) illness were reported this week from two counties: Glenn (1) and Merced (1). **This is the first human WNV case reported from Glenn County this year.** In 2020, a total of 46 human WNV cases have been reported from 12 counties. Of the 46 cases, 33 (72%) had neuroinvasive illness and one (2.2%) was fatal. The median age of the individuals was 61 years and 33 (72%) were male. Dates of symptom onset ranged from June 16 to August 24. In addition to the 46 cases, 5 asymptomatic WNV infections have been reported from Los Angeles (2), Merced (1), and Stanislaus (2) counties. At this time last year, 89 human WNV cases had been reported from 15 counties.

St. Louis encephalitis virus

A fatal human case of St. Louis encephalitis virus (SLEV) disease was reported this week from Madera County. This is the first human case of SLEV disease reported in California in 2020. At this time last year, four human SLEV cases had been reported from two counties.

Dead Birds

A total of 40 WNV positive dead birds were reported this week from 7 counties: Contra Costa (7), Los Angeles (16), Orange (7), Riverside (1), Sacramento (4), Tulare (1), and Yolo (4). In 2020, a total of 211 WNV positive dead birds have been reported from 17 counties. At this time last year, 120 WNV positive dead birds had been reported from 16 counties.

Mosquito Pools

West Nile virus

A total of 265 WNV positive mosquito pools were reported this week from 18 counties: Butte (2), Contra Costa (3), Fresno (27), Kern (8), Kings (11), Lake (1), Los Angeles (62), Madera (8), Napa (1), Orange (31), Placer (4), Riverside (5), Sacramento (9), San Joaquin (43), Shasta (1), Stanislaus (32), Tulare (13), and Yolo (4). **This is the first WNV positive mosquito pool reported from Napa County this year.** In 2020, a total of 1,982 WNV positive mosquito pools have been reported from 27 counties. At this time last year, 2,978 WNV positive mosquito pools had been reported from 24 counties.

St. Louis encephalitis virus

A total of 60 SLEV positive mosquito pools were reported this week from 7 counties: Fresno (26), Kern (3), Kings (1), Madera (4), Riverside (8), San Joaquin (1), and Tulare (17). In 2020, a total of 360 SLEV positive mosquito pools have been reported from Fresno (142), Imperial (10), Kern (18), Kings (7), Madera (9), Riverside (147), San Joaquin (2) and Tulare (25)

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counties. At this time last year, 276 SLEV positive mosquito pools had been reported from 12 counties.

Sentinel Chickens

A total of four WNV positive chickens were reported this week from Los Angeles County. In 2020, a total of 60 chickens have tested positive for WNV from 7 counties. At this time last year, 89 WNV positive chickens had been reported from 12 counties.

2019 & 2020 YTD West Nile Virus Comparisons		
	2019	2020
Total # Dead Bird Reports	4,335	4,252
# Positive Counties	29	30
# Human Cases	89	46
# Positive Dead Birds / # Tested	120 / 1,388	211 / 1,176
# Positive Mosquito Pools / # Tested	2,978 / 34,925	1,982 / 30,485
# Seroconversions / # Tested	89 / 6,761	60 / 4,665

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YTD WNV Activity by Element and County, 2020					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			1		
Amador		1			
Butte	4	1	2	26	14
Contra Costa	2		14	11	
Fresno			5	255	
Glenn	1	1		2	1
Imperial				3	
Kern				68	
Kings				74	
Lake				12	
Los Angeles	9		49	260	7
Madera	1			63	
Merced	4	1	2	41	14
Napa			1	1	
Orange	2		27	179	
Placer	1		1	58	
Riverside	2	2	2	56	
Sacramento			75	89	
San Bernardino		1		10	
San Diego	1			2	
San Joaquin		1	2	193	
Santa Clara			5	8	
Shasta				20	
Solano			1	5	
Stanislaus	18	2	4	331	
Sutter	1			20	18
Tehama					1
Tulare			2	128	5
Yolo			18	65	
Yuba				2	
Totals	46	10	211	1,982	60

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TESTING SUMMARIES

Humans

		WNV	SLEV	WEEV
Human Cases	Week	2	1	0
	YTD	46	1	0

Dead Birds

		Number Tested	WNV Positive
Dead Birds	Week	82	40
	YTD	1,176	211

Chickens

		Number Tested	WNV Positive	SLEV Positive	WEEV Positive
Chicken Sera	Week	115	4	0	0
	YTD	4,665	60	0	0

Mosquitoes

		Positive / Total Tested						
Mosquito Pools		WNV	SLEV	WEEV	CHIK	DENV	ZIKA	
		Week	265 / 1,605	60 / 1,521	0 / 1,340	0 / 0	0 / 0	0 / 0
		YTD	1,982 / 30,485	360 / 28,961	0 / 27,026	0 / 286	0 / 286	0 / 286

NEW POSITIVES

Dead Birds

County	Agency	City	Zip Code	Species	Date Reported	Virus
Contra Costa	Contra Costa MVCD	Brentwood	94513	American Crow	8/31/2020	WNV
Contra Costa	Contra Costa MVCD	Brentwood	94513	California Scrub-Jay	8/29/2020	WNV
Contra Costa	Contra Costa MVCD	Brentwood	94513	California Scrub-Jay	8/31/2020	WNV
Contra Costa	Contra Costa MVCD	Brentwood	94513	California Scrub-Jay	8/31/2020	WNV
Contra Costa	Contra Costa MVCD	Brentwood	94513	California Scrub-Jay	9/8/2020	WNV
Contra Costa	Contra Costa MVCD	Concord	94519	American Crow	9/3/2020	WNV
Contra Costa	Contra Costa MVCD	Discovery Bay	94505	American Crow	8/30/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Cerritos	90703	American Crow	8/24/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Cerritos	90703	American Crow	8/26/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Cerritos	90703	American Crow	8/27/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Cerritos	90703	American Crow	8/27/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Cerritos	90703	American Crow	8/30/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Cerritos	90703	American Crow	8/30/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Cerritos	90703	American Crow	8/31/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Cerritos	90703	American Crow	9/3/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Downey	90242	American Crow	8/25/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Lakewood	90712	American Crow	9/2/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Long Beach	90808	American Crow	9/4/2020	WNV
Los Angeles	Greater Los Angeles Co VCD - Sylmar	North Hollywood	91601	American Crow	8/31/2020	WNV

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Los Angeles	Greater Los Angeles Co VCD - Sylmar	Woodland Hills	91367	American Crow	8/27/2020	WNV
Los Angeles	Long Beach Animal Control	Long Beach	90802	American Crow	8/21/2020	WNV
Los Angeles	Long Beach Animal Control	Long Beach	90805	American Crow	8/25/2020	WNV
Los Angeles	Los Angeles Co West VCD	Culver City	90230	American Crow	8/28/2020	WNV
Orange	Orange Co VCD	Costa Mesa	92627	American Crow	8/27/2020	WNV
Orange	Orange Co VCD	Costa mesa	92627	American Crow	8/27/2020	WNV
Orange	Orange Co VCD	Costa mesa	92627	American Crow	8/28/2020	WNV
Orange	Orange Co VCD	Huntington Beach	92647	American Crow	9/3/2020	WNV
Orange	Orange Co VCD	Irvine	92604	American Crow	8/20/2020	WNV
Orange	Orange Co VCD	Irvine	92614	American Crow	7/21/2020	WNV
Orange	Orange Co VCD	Westminster	92683	American Crow	8/28/2020	WNV
Riverside	Northwest Mosquito VCD	Riverside	92506	American Crow	8/26/2020	WNV
Sacramento	Sacramento-Yolo MVCD	Fair Oaks	95628	Mourning Dove	9/8/2020	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95819	California Scrub-Jay	9/1/2020	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95821	American Crow	9/5/2020	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95821	California Scrub-Jay	9/3/2020	WNV
Tulare	Delta VCD	Visalia	93277	American Crow	9/8/2020	WNV
Yolo	Sacramento-Yolo MVCD	Davis	95616	Western Bluebird	8/31/2020	WNV
Yolo	Sacramento-Yolo MVCD	Davis	95618	California Scrub-Jay	9/5/2020	WNV
Yolo	Sacramento-Yolo MVCD	Woodland	95695	American Crow	9/2/2020	WNV
Yolo	Sacramento-Yolo MVCD	Woodland	95695	Barn Owl	9/7/2020	WNV

Mosquito Pools

County	Site Code	Pool #	Species	City	# in Pool	Trap Type	Collected	Virus
Butte	BUCO113	382	Cx. tarsalis	Gridley	50	CO2	9/3/2020	WNV
Butte	BUCO37	394	Cx. tarsalis	Honcut	50	CO2	9/9/2020	WNV
Contra Costa	CNTR5122	237	Cx. tarsalis	Brentwood	19	CO2	9/8/2020	WNV
Contra Costa	CNTR5122	238	Cx. pipiens	Brentwood	7	CO2	9/8/2020	WNV
Contra Costa	CNTR5711	235	Cx. tarsalis	Discovery Bay	50	CO2	9/8/2020	WNV
Fresno	CNSL1071	945	Cx. quinquefasciatus	Clovis	50	GRVD	9/4/2020	SLEV
Fresno	CNSL1220	917	Cx. quinquefasciatus	Clovis	13	GRVD	9/2/2020	SLEV
Fresno	CNSL1320	1149	Cx. quinquefasciatus	Clovis	50	GRVD	9/4/2020	WNV
Fresno	CNSL1384	1138	Cx. quinquefasciatus	Fresno	12	GRVD	9/2/2020	WNV
Fresno	CNSL1453	1152	Cx. quinquefasciatus	Fresno	19	GRVD	9/4/2020	SLEV
Fresno	CNSL1453	1152	Cx. quinquefasciatus	Fresno	19	GRVD	9/4/2020	WNV
Fresno	CNSL1525	947	Cx. quinquefasciatus	Fresno	17	GRVD	9/4/2020	WNV
Fresno	CNSL1581	949	Cx. quinquefasciatus	Fresno	50	GRVD	9/4/2020	WNV
Fresno	CNSL1634	921	Cx. quinquefasciatus	Clovis	50	GRVD	9/2/2020	SLEV
Fresno	CNSL1760	929	Cx. quinquefasciatus	Fresno	50	GRVD	9/2/2020	WNV
Fresno	CNSL1783	919	Cx. quinquefasciatus	Clovis	50	GRVD	9/2/2020	SLEV
Fresno	CNSL1792	926	Cx. quinquefasciatus	Fresno	48	GRVD	9/2/2020	SLEV
Fresno	CNSL1792	926	Cx. quinquefasciatus	Fresno	48	GRVD	9/2/2020	WNV
Fresno	CNSL1822	1129	Cx. quinquefasciatus	Clovis	50	GRVD	9/2/2020	SLEV
Fresno	CNSL1841	1127	Cx. quinquefasciatus	Clovis	21	GRVD	9/2/2020	SLEV
Fresno	CNSL1859	928	Cx. quinquefasciatus	Fresno	50	GRVD	9/2/2020	WNV
Fresno	CNSL1947	1126	Cx. quinquefasciatus	Clovis	20	GRVD	9/2/2020	SLEV
Fresno	CNSL1990	948	Cx. quinquefasciatus	Fresno	23	GRVD	9/4/2020	SLEV
Fresno	CNSL2020	1122	Cx. quinquefasciatus	Clovis	27	GRVD	9/1/2020	SLEV
Fresno	CNSL2093	1146	Cx. quinquefasciatus	Sanger	50	GRVD	9/4/2020	SLEV

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Fresno	CNSL2093	1146	Cx. quinquefasciatus	Sanger	50	GRVD	9/4/2020	WNV
Fresno	CNSL2093	1147	Cx. stigmatosoma	Sanger	16	GRVD	9/4/2020	SLEV
Fresno	CNSL3268	941	Cx. quinquefasciatus	Reedley	37	GRVD	9/4/2020	WNV
Fresno	CNSL3268	942	Cx. stigmatosoma	Reedley	14	GRVD	9/4/2020	WNV
Fresno	CNSL3307	935	Cx. quinquefasciatus	Reedley	36	GRVD	9/3/2020	WNV
Fresno	CNSL3381	1142	Cx. quinquefasciatus	Reedley	20	BGSENT	9/3/2020	SLEV
Fresno	CNSL5029	1121	Cx. quinquefasciatus	Kingsburg	45	GRVD	9/1/2020	SLEV
Fresno	CNSL5029	1121	Cx. quinquefasciatus	Kingsburg	45	GRVD	9/1/2020	WNV
Fresno	CNSL5037	1120	Cx. quinquefasciatus	Kingsburg	37	GRVD	9/1/2020	WNV
Fresno	CNSL5043	1139	Cx. quinquefasciatus	Kingsburg	35	GRVD	9/3/2020	WNV
Fresno	CNSL5158	932	Cx. quinquefasciatus	Kingsburg	36	GRVD	9/3/2020	WNV
Fresno	CNSL5181	930	Cx. quinquefasciatus	Kingsburg	42	GRVD	9/3/2020	SLEV
Fresno	CNSL5211	1143	Cx. quinquefasciatus	Fresno	50	GRVD	9/3/2020	WNV
Fresno	CNSL8064	925	Cx. tarsalis	Clovis	20	BGSENT	9/2/2020	SLEV
Fresno	CNSL8092	1133	Cx. quinquefasciatus	Clovis	27	GRVD	9/2/2020	WNV
Fresno	CNSL8157	952	Cx. quinquefasciatus	Clovis	50	GRVD	9/4/2020	WNV
Fresno	CNSL8157	1159	Cx. quinquefasciatus	Clovis	30	GRVD	9/4/2020	SLEV
Fresno	CNSL9010	1157	Cx. quinquefasciatus	Clovis	50	GRVD	9/4/2020	SLEV
Fresno	CNSL9010	1157	Cx. quinquefasciatus	Clovis	50	GRVD	9/4/2020	WNV
Fresno	CNSL9016	1158	Cx. quinquefasciatus	Clovis	50	GRVD	9/4/2020	SLEV
Fresno	CNSL9057	1156	Cx. quinquefasciatus	Clovis	32	GRVD	9/4/2020	WNV
Fresno	CNSL9060	915	Cx. quinquefasciatus	Clovis	16	GRVD	9/2/2020	SLEV
Fresno	CNSL9159	912	Cx. quinquefasciatus	Clovis	29	GRVD	9/1/2020	SLEV
Fresno	CNSL9211	933	Cx. quinquefasciatus	Clovis	37	GRVD	9/3/2020	WNV
Fresno	FRWS200002	301	Cx. tarsalis	Firebaugh	45	CO2	9/9/2020	WNV
Fresno	FRWS2105	299	Cx. tarsalis	Dos Palos	50	CO2	9/9/2020	WNV
Fresno	FRWS300030	304	Cx. tarsalis	Firebaugh	50	CO2	9/9/2020	WNV
Fresno	FRWS300031	302	Cx. tarsalis	Firebaugh	41	CO2	9/9/2020	SLEV
Fresno	FRWS300031	303	Cx. tarsalis	Firebaugh	50	CO2	9/9/2020	SLEV
Fresno	FRWS400029	288	Cx. tarsalis	Tranquillity	50	CO2	9/4/2020	SLEV
Fresno	FRWS400029	289	Cx. tarsalis	Tranquillity	50	CO2	9/4/2020	SLEV
Fresno	FRWS410003	286	Cx. tarsalis	Kerman	50	CO2	9/4/2020	WNV
Fresno	FRWS410003	287	Cx. tarsalis	Kerman	48	CO2	9/4/2020	WNV
Kern	DLNO114	277	Cx. quinquefasciatus	Delano	14	GRVD	9/9/2020	WNV
Kern	DLNO128	276	Cx. quinquefasciatus	Delano	41	GRVD	9/9/2020	SLEV
Kern	DLNO135	274	Cx. quinquefasciatus	Delano	50	GRVD	9/4/2020	SLEV
Kern	DLNO135	274	Cx. quinquefasciatus	Delano	50	GRVD	9/4/2020	WNV
Kern	DLNO141	271	Cx. quinquefasciatus	McFarland	50	BGSENT	9/3/2020	WNV
Kern	DLNO47	279	Cx. quinquefasciatus	Delano	12	GRVD	9/9/2020	WNV
Kern	DLNO49	270	Cx. quinquefasciatus	McFarland	50	BGSENT	9/3/2020	WNV
Kern	DLNO58	266	Cx. quinquefasciatus	McFarland	50	CO2	9/2/2020	WNV
Kern	DLNO58	267	Cx. tarsalis	McFarland	50	CO2	9/2/2020	WNV
Kern	DLNO78	268	Cx. quinquefasciatus	Delano	45	BGSENT	9/3/2020	SLEV
Kern	DLNO78	268	Cx. quinquefasciatus	Delano	45	BGSENT	9/3/2020	WNV
Kings	KNGS3004	471	Cx. tarsalis	Lemoore	50	CO2	9/1/2020	WNV
Kings	KNGS3031	478	Cx. tarsalis	Stratford	50	CO2	9/2/2020	WNV
Kings	KNGS3071	486	Cx. tarsalis	Riverdale	45	CO2	9/3/2020	WNV
Kings	KNGS3100	485	Cx. tarsalis	Hanford	17	CO2	9/3/2020	WNV
Kings	KNGS3115	480	Cx. tarsalis	Hanford	46	CO2	9/2/2020	WNV
Kings	KNGS4412	484	Cx. pipiens	Lemoore	50	BGSENT	9/3/2020	WNV

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Kings	KNGS4413	473	Cx. pipiens	Lemoore	14	BGSENT	9/2/2020	WNV
Kings	KNGS5504	467	Cx. pipiens	Hanford	31	BGSENT	9/1/2020	WNV
Kings	KNGS8014	475	Cx. pipiens	Laton	36	BGSENT	9/2/2020	WNV
Kings	KNGS8033	501	Cx. tarsalis	Hanford	50	CO2	9/4/2020	WNV
Kings	KNGS8033	502	Cx. tarsalis	Hanford	50	CO2	9/4/2020	SLEV
Kings	KNGS8033	502	Cx. tarsalis	Hanford	50	CO2	9/4/2020	WNV
Lake	LAKE94	481	Cx. tarsalis	Upper Lake	36	CO2	9/1/2020	WNV
Los Angeles	GRLA2030	5745	Cx. quinquefasciatus	West Hills	12	BGSENT	9/3/2020	WNV
Los Angeles	GRLA2032	5732	Cx. quinquefasciatus	Northridge	39	GRVD	9/2/2020	WNV
Los Angeles	GRLA2034	5731	Cx. quinquefasciatus	Tarzana	33	GRVD	9/2/2020	WNV
Los Angeles	GRLA2097	524	Cx. quinquefasciatus	La Mirada	34	GRVD	8/26/2020	WNV
Los Angeles	GRLA2100	531	Cx. quinquefasciatus	Norwalk	13	GRVD	8/26/2020	WNV
Los Angeles	GRLA2115	519	Cx. quinquefasciatus	Bell	50	GRVD	8/25/2020	WNV
Los Angeles	GRLA2166	533	Cx. quinquefasciatus	Montebello	50	GRVD	8/26/2020	WNV
Los Angeles	GRLA2228	570	Cx. quinquefasciatus	Diamond Bar	16	GRVD	9/4/2020	WNV
Los Angeles	GRLA2247	535	Cx. quinquefasciatus	Pico Rivera	50	GRVD	8/26/2020	WNV
Los Angeles	GRLA2270	510	Cx. quinquefasciatus	Bellflower	13	GRVD	8/25/2020	WNV
Los Angeles	GRLA2323	539	Cx. quinquefasciatus	Los Angeles	38	GRVD	8/28/2020	WNV
Los Angeles	GRLA2346	534	Cx. quinquefasciatus	Montebello	41	GRVD	8/26/2020	WNV
Los Angeles	GRLA2414	5727	Cx. quinquefasciatus	Granada Hills	33	GRVD	9/1/2020	WNV
Los Angeles	GRLA2419	5724	Cx. quinquefasciatus	Panorama City	50	GRVD	9/1/2020	WNV
Los Angeles	GRLA2550	5775	Cx. quinquefasciatus	Mission Hills	50	GRVD	9/4/2020	WNV
Los Angeles	GRLA2555	5730	Cx. quinquefasciatus	Encino	50	GRVD	9/2/2020	WNV
Los Angeles	GRLA2574	5719	Cx. quinquefasciatus	Sherman Oaks	50	GRVD	9/1/2020	WNV
Los Angeles	GRLA2635	5729	Cx. quinquefasciatus	Van Nuys	38	GRVD	9/2/2020	WNV
Los Angeles	GRLA2636	5728	Cx. quinquefasciatus	Van Nuys	50	GRVD	9/2/2020	WNV
Los Angeles	GRLA2637	5723	Cx. quinquefasciatus	Van Nuys	50	GRVD	9/1/2020	WNV
Los Angeles	GRLA2650	5722	Cx. quinquefasciatus	Encino	46	CO2	9/1/2020	WNV
Los Angeles	GRLA2651	5720	Cx. quinquefasciatus	Encino	50	GRVD	9/1/2020	WNV
Los Angeles	GRLA2655	5721	Cx. quinquefasciatus	Encino	50	GRVD	9/1/2020	WNV
Los Angeles	GRLA2866	5692	Cx. quinquefasciatus	Studio City	50	GRVD	8/26/2020	WNV
Los Angeles	GRLA2866	5697	Cx. quinquefasciatus	Studio City	40	GRVD	8/26/2020	WNV
Los Angeles	GRLA2866	5698	Cx. quinquefasciatus	Studio City	36	GRVD	8/26/2020	WNV
Los Angeles	GRLA2866	5702	Cx. quinquefasciatus	Studio City	16	GRVD	8/26/2020	WNV
Los Angeles	GRLA2866	5704	Cx. quinquefasciatus	Studio City	13	BGSENT	8/26/2020	WNV
Los Angeles	GRLA2866	5752	Cx. quinquefasciatus	Studio City	36	GRVD	9/3/2020	WNV
Los Angeles	GRLA2866	5755	Cx. quinquefasciatus	Studio City	50	GRVD	9/3/2020	WNV
Los Angeles	GRLA2866	5759	Cx. quinquefasciatus	Studio City	33	GRVD	9/3/2020	WNV
Los Angeles	GRLA2866	5761	Cx. quinquefasciatus	Studio City	30	GRVD	9/3/2020	WNV
Los Angeles	GRLA2866	5765	Cx. quinquefasciatus	Studio City	18	GRVD	9/3/2020	WNV
Los Angeles	GRLA2889	561	Cx. quinquefasciatus	Lakewood	46	GRVD	9/3/2020	WNV
Los Angeles	GRLA2937	5713	Cx. quinquefasciatus	Burbank	18	GRVD	8/26/2020	WNV
Los Angeles	GRLA2953	526	Cx. quinquefasciatus	Santa Fe Springs	50	GRVD	8/26/2020	WNV
Los Angeles	GRLA2957	558	Cx. quinquefasciatus	Hawaiian Gardens	32	GRVD	9/3/2020	WNV
Los Angeles	GRLA2995	5740	Cx. quinquefasciatus	Woodland Hills	40	GRVD	9/3/2020	WNV
Los Angeles	GRLA3028	5747	Cx. quinquefasciatus	West Hills	28	GRVD	9/3/2020	WNV
Los Angeles	GRLA3034	5726	Cx. quinquefasciatus	North Hills	36	GRVD	9/1/2020	WNV
Los Angeles	GRLA3036	5746	Cx. quinquefasciatus	Canoga Park	25	GRVD	9/3/2020	WNV
Los Angeles	GRLA3045	574	Cx. quinquefasciatus	Whittier	38	GRVD	9/4/2020	WNV
Los Angeles	GRLA3046	509	Cx. quinquefasciatus	Bellflower	32	GRVD	8/25/2020	WNV

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Los Angeles	GRLA3047	508	Cx. quinquefasciatus	Downey	50	GRVD	8/25/2020	WNV
Los Angeles	GRLA3048	532	Cx. quinquefasciatus	Pico Rivera	43	GRVD	8/26/2020	WNV
Los Angeles	GRLA3049	521	Cx. quinquefasciatus	Downey	45	GRVD	8/25/2020	WNV
Los Angeles	GRLA3051	560	Cx. quinquefasciatus	Signal Hill	50	GRVD	9/3/2020	WNV
Los Angeles	GRLA3052	573	Cx. quinquefasciatus	La Habra Heights	15	GRVD	9/4/2020	WNV
Los Angeles	GRLA3054	520	Cx. quinquefasciatus	Bell Gardens	50	GRVD	8/25/2020	WNV
Los Angeles	GRLA3055	518	Cx. quinquefasciatus	Maywood	50	GRVD	8/25/2020	WNV
Los Angeles	GRLA3057	516	Cx. quinquefasciatus	Huntington Park	50	GRVD	8/25/2020	WNV
Los Angeles	GRLA3058	512	Cx. quinquefasciatus	Lynwood	24	GRVD	8/25/2020	WNV
Los Angeles	GRLA3060	527	Cx. quinquefasciatus	Norwalk	22	GRVD	8/26/2020	WNV
Los Angeles	GRLA3084	540	Cx. quinquefasciatus	Commerce	28	GRVD	8/28/2020	WNV
Los Angeles	GRLA3088	5774	Cx. quinquefasciatus	Pacoima	39	GRVD	9/4/2020	WNV
Los Angeles	GRLA3089	5688	Cx. quinquefasciatus	Glendale	50	GRVD	8/25/2020	WNV
Los Angeles	GRLA3097	5773	Cx. quinquefasciatus	Arleta	33	BGSENT	9/4/2020	WNV
Los Angeles	SGVA445	991	Cx. quinquefasciatus	Rosemead	50	GRVD	9/9/2020	WNV
Los Angeles	SGVA450	975	Cx. quinquefasciatus	La Puente	50	GRVD	9/9/2020	WNV
Los Angeles	SGVA473	984	Cx. quinquefasciatus	San Gabriel	49	GRVD	9/9/2020	WNV
Los Angeles	SGVA650	974	Cx. quinquefasciatus	Pomona	15	GRVD	9/9/2020	WNV
Los Angeles	SGVA7	971	Cx. quinquefasciatus	Claremont	16	GRVD	9/9/2020	WNV
Madera	MADR195	352	Cx. quinquefasciatus	Madera	50	CO2	9/4/2020	WNV
Madera	MADR195	353	Cx. tarsalis	Madera	50	CO2	9/4/2020	SLEV
Madera	MADR195	353	Cx. tarsalis	Madera	50	CO2	9/4/2020	WNV
Madera	MADR208	343	Cx. quinquefasciatus	Madera	9	CO2	9/3/2020	WNV
Madera	MADR299	328	Cx. quinquefasciatus	Chowchilla	50	CO2	9/1/2020	WNV
Madera	MADR3334	347	Cx. tarsalis	Madera	34	CO2	9/3/2020	WNV
Madera	MADR692	337	Cx. tarsalis	Madera	9	CO2	9/2/2020	WNV
Madera	MADR889	330	Cx. quinquefasciatus	Firebaugh	50	CO2	9/1/2020	SLEV
Madera	MADR889	330	Cx. quinquefasciatus	Firebaugh	50	CO2	9/1/2020	WNV
Madera	MADR889	331	Cx. tarsalis	Firebaugh	50	CO2	9/1/2020	SLEV
Madera	MADR889	331	Cx. tarsalis	Firebaugh	50	CO2	9/1/2020	WNV
Madera	MADR896	334	Cx. quinquefasciatus	Mendota	50	CO2	9/1/2020	SLEV
Napa	NAPA2800	110	Cx. tarsalis	American Canyon	20	CO2	9/9/2020	WNV
Orange	ORCO1008	3940	Cx. quinquefasciatus	Fullerton	34	GRVD	9/9/2020	WNV
Orange	ORCO1008	3943	Cx. quinquefasciatus	Fullerton	38	GRVD	9/9/2020	WNV
Orange	ORCO1008	3947	Cx. quinquefasciatus	Fullerton	37	GRVD	9/9/2020	WNV
Orange	ORCO1008	4004	Cx. quinquefasciatus	Fullerton	29	GRVD	9/9/2020	WNV
Orange	ORCO1008	4005	Cx. quinquefasciatus	Fullerton	28	GRVD	9/9/2020	WNV
Orange	ORCO1011	4008	Cx. quinquefasciatus	La Habra	12	BGSENT	9/9/2020	WNV
Orange	ORCO1036	3990	Cx. quinquefasciatus	Buena Park	53	GRVD	9/9/2020	WNV
Orange	ORCO1040	3962	Cx. quinquefasciatus	Orange	38	GRVD	9/9/2020	WNV
Orange	ORCO168	3969	Cx. quinquefasciatus	Santa Ana	46	GRVD	9/9/2020	WNV
Orange	ORCO170	3970	Cx. quinquefasciatus	Anaheim	40	GRVD	9/9/2020	WNV
Orange	ORCO198	4000	Cx. quinquefasciatus	La Habra	34	GRVD	9/9/2020	WNV
Orange	ORCO2	3992	Cx. quinquefasciatus	Fullerton	52	GRVD	9/9/2020	WNV
Orange	ORCO218	3933	Cx. quinquefasciatus	Anaheim	41	GRVD	9/9/2020	WNV
Orange	ORCO218	3934	Cx. quinquefasciatus	Anaheim	33	GRVD	9/9/2020	WNV
Orange	ORCO218	3938	Cx. quinquefasciatus	Anaheim	29	GRVD	9/9/2020	WNV
Orange	ORCO218	3944	Cx. quinquefasciatus	Anaheim	16	GRVD	9/9/2020	WNV
Orange	ORCO218	3946	Cx. quinquefasciatus	Anaheim	45	GRVD	9/9/2020	WNV
Orange	ORCO236	3957	Cx. quinquefasciatus	Garden Grove	34	GRVD	9/9/2020	WNV

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Orange	ORCO241	3976	Cx. quinquefasciatus	Stanton	36	GRVD	9/9/2020	WNV
Orange	ORCO3	3922	Cx. stigmatosoma	Garden Grove	7	GRVD	9/4/2020	WNV
Orange	ORCO3	3958	Cx. quinquefasciatus	Garden Grove	39	GRVD	9/9/2020	WNV
Orange	ORCO302	3963	Cx. quinquefasciatus	Anaheim	42	GRVD	9/9/2020	WNV
Orange	ORCO302	3964	Cx. quinquefasciatus	Anaheim	42	GRVD	9/9/2020	WNV
Orange	ORCO304	3936	Cx. quinquefasciatus	Placentia	36	GRVD	9/9/2020	WNV
Orange	ORCO313	4001	Cx. quinquefasciatus	Brea	35	GRVD	9/9/2020	WNV
Orange	ORCO313	4002	Cx. quinquefasciatus	Brea	35	GRVD	9/9/2020	WNV
Orange	ORCO317	3989	Cx. quinquefasciatus	Fullerton	16	GRVD	9/9/2020	WNV
Orange	ORCO34	3996	Cx. quinquefasciatus	Brea	33	GRVD	9/9/2020	WNV
Orange	ORCO50	3987	Cx. quinquefasciatus	Buena Park	3	BGSENT	9/9/2020	WNV
Orange	ORCO50	3993	Cx. quinquefasciatus	Buena Park	19	GRVD	9/9/2020	WNV
Orange	ORCO82	3995	Cx. quinquefasciatus	Cypress	50	GRVD	9/9/2020	WNV
Placer	PLCR1023	1669	Cx. tarsalis	Roseville	50	CO2	9/8/2020	WNV
Placer	PLCR411	1624	Cx. tarsalis	Roseville	50	CO2	9/8/2020	WNV
Placer	PLCR411	1628	Cx. tarsalis	Roseville	50	CO2	9/8/2020	WNV
Placer	PLCR95	1663	Cx. tarsalis	Lincoln	50	CO2	9/8/2020	WNV
Riverside	COAV121	3789	Cx. tarsalis	Mecca	50	CO2	9/9/2020	SLEV
Riverside	COAV121	3790	Cx. tarsalis	Mecca	50	CO2	9/9/2020	SLEV
Riverside	COAV123	3794	Cx. tarsalis	Mecca	50	CO2	9/9/2020	SLEV
Riverside	COAV123	3796	Cx. tarsalis	Mecca	34	CO2	9/9/2020	SLEV
Riverside	COAV45	3739	Cx. tarsalis	Mecca	50	CO2	9/9/2020	SLEV
Riverside	COAV45	3740	Cx. tarsalis	Mecca	50	CO2	9/9/2020	WNV
Riverside	COAV46	3762	Cx. tarsalis	Mecca	50	CO2	9/9/2020	WNV
Riverside	COAV46	3763	Cx. tarsalis	Mecca	22	CO2	9/9/2020	SLEV
Riverside	COAV611	3764	Cx. tarsalis	Mecca	50	CO2	9/9/2020	SLEV
Riverside	COAV611	3765	Cx. tarsalis	Mecca	50	CO2	9/9/2020	WNV
Riverside	COAV611	3767	Cx. tarsalis	Mecca	50	CO2	9/9/2020	SLEV
Riverside	COAV611	3768	Cx. tarsalis	Mecca	50	CO2	9/9/2020	WNV
Riverside	RIVR22	386	Cx. erythrothorax	Murrieta	50	CO2	9/2/2020	WNV
Sacramento	SAYO212006	5659	Cx. tarsalis	Sacramento	50	CO2	9/9/2020	WNV
Sacramento	SAYO212021	5612	Cx. pipiens	Sacramento	1	GRVD	9/9/2020	WNV
Sacramento	SAYO223006	5628	Cx. pipiens	Sacramento	1	GRVD	9/9/2020	WNV
Sacramento	SAYO245026	5502	Cx. tarsalis	Wilton	50	CO2	9/4/2020	WNV
Sacramento	SAYO245026	5503	Cx. tarsalis	Wilton	50	CO2	9/4/2020	WNV
Sacramento	SAYO245026	5505	Cx. tarsalis	Wilton	47	CO2	9/4/2020	WNV
Sacramento	SAYO252014	4972	Cx. pipiens	Walnut Grove	6	GRVD	8/28/2020	WNV
Sacramento	SAYO261003	5485	Cx. tarsalis	Isleton	50	CO2	9/4/2020	WNV
Sacramento	SAYO261003	5490	Cx. pipiens	Isleton	50	CO2	9/4/2020	WNV
San Joaquin	SJCM8004	1745	Cx. tarsalis	Lodi	19	CO2	9/9/2020	WNV
San Joaquin	SJCM8018	1730	Cx. tarsalis	Stockton	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8018	1731	Cx. tarsalis	Stockton	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8018	1732	Cx. tarsalis	Stockton	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8018	1733	Cx. tarsalis	Stockton	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8018	1734	Cx. tarsalis	Stockton	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8018	1736	Cx. tarsalis	Stockton	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8018	1737	Cx. tarsalis	Stockton	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8018	1738	Cx. tarsalis	Stockton	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8018	1739	Cx. tarsalis	Stockton	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8018	1741	Cx. tarsalis	Stockton	18	CO2	9/9/2020	WNV

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San Joaquin	SJCM8018	1742	Cx. pipiens	Stockton	11	CO2	9/9/2020	WNV
San Joaquin	SJCM8025	1717	Cx. tarsalis	Stockton	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8025	1718	Cx. tarsalis	Stockton	38	CO2	9/9/2020	WNV
San Joaquin	SJCM8029	1517	Cx. pipiens	Farmington	41	CO2	8/27/2020	WNV
San Joaquin	SJCM8056	1810	Cx. tarsalis	Manteca	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8056	1812	Cx. pipiens	Manteca	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8079	1793	Cx. pipiens	Manteca	28	CO2	9/9/2020	WNV
San Joaquin	SJCM8084	1522	Cx. pipiens	Stockton	8	CO2	8/27/2020	WNV
San Joaquin	SJCM8100	1703	Cx. tarsalis	Tracy	32	CO2	9/9/2020	WNV
San Joaquin	SJCM8100	1704	Cx. pipiens	Tracy	17	CO2	9/9/2020	WNV
San Joaquin	SJCM8111	1725	Cx. tarsalis	Stockton	26	CO2	9/9/2020	WNV
San Joaquin	SJCM8116	1840	Cx. tarsalis	Lodi	2	CO2	9/11/2020	WNV
San Joaquin	SJCM8143	1752	Cx. tarsalis	Stockton	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8191	1762	Cx. tarsalis	Lodi	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8208	1839	Cx. pipiens	Lodi	18	CO2	9/11/2020	WNV
San Joaquin	SJCM8209	1518	Cx. tarsalis	Lodi	19	CO2	8/27/2020	SLEV
San Joaquin	SJCM8209	1836	Cx. tarsalis	Lodi	19	CO2	9/11/2020	WNV
San Joaquin	SJCM8210	1823	Cx. tarsalis	Escalon	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8210	1827	Cx. pipiens	Escalon	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8218	1818	Cx. pipiens	Escalon	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8218	1819	Cx. pipiens	Escalon	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8232	1799	Cx. tarsalis	Oakdale	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8232	1800	Cx. tarsalis	Oakdale	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8232	1803	Cx. pipiens	Oakdale	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8232	1804	Cx. pipiens	Oakdale	50	CO2	9/9/2020	WNV
San Joaquin	SJCM8234	1767	Cx. tarsalis	Lodi	100	CO2	9/9/2020	WNV
San Joaquin	SJCM8234	1768	Cx. tarsalis	Lodi	100	CO2	9/9/2020	WNV
San Joaquin	SJCM8234	1769	Cx. tarsalis	Lodi	100	CO2	9/9/2020	WNV
San Joaquin	SJCM8234	1770	Cx. tarsalis	Lodi	100	CO2	9/9/2020	WNV
San Joaquin	SJCM8234	1771	Cx. tarsalis	Lodi	100	CO2	9/9/2020	WNV
San Joaquin	SJCM8234	1772	Cx. tarsalis	Lodi	100	CO2	9/9/2020	WNV
San Joaquin	SJCM8234	1773	Cx. tarsalis	Lodi	100	CO2	9/9/2020	WNV
San Joaquin	SJCM8234	1776	Cx. tarsalis	Lodi	100	CO2	9/9/2020	WNV
Shasta	SHAS293	602	Cx. tarsalis	Redding	30	CO2	9/9/2020	WNV
Stanislaus	EAST1008	20450	Cx. tarsalis	Modesto	48	CO2	9/1/2020	WNV
Stanislaus	EAST1013	20452	Cx. tarsalis	Modesto	47	CO2	9/1/2020	WNV
Stanislaus	EAST1077	20459	Cx. pipiens	Modesto	28	GRVD	9/3/2020	WNV
Stanislaus	EAST1088	20463	Cx. pipiens	Modesto	50	GRVD	9/3/2020	WNV
Stanislaus	EAST2002	20446	Cx. pipiens	Modesto	50	CO2	8/29/2020	WNV
Stanislaus	EAST2002	20470	Cx. pipiens	Modesto	29	CO2	9/3/2020	WNV
Stanislaus	EAST2022	20443	Cx. pipiens	modesto	50	CO2	8/29/2020	WNV
Stanislaus	EAST8010	20441	Cx. pipiens	Empire	50	GRVD	8/29/2020	WNV
Stanislaus	EAST8010	20447	Cx. pipiens	Empire	30	CO2	8/29/2020	WNV
Stanislaus	TRLK1615	1000	Cx. tarsalis	Modesto	50	CO2	9/9/2020	WNV
Stanislaus	TRLK1615	1002	Cx. tarsalis	Modesto	50	CO2	9/9/2020	WNV
Stanislaus	TRLK1616	992	Cx. pipiens	Modesto	50	CO2	9/9/2020	WNV
Stanislaus	TRLK1616	997	Cx. tarsalis	Modesto	50	CO2	9/9/2020	WNV
Stanislaus	TRLK1673	1018	Cx. tarsalis	Patterson	50	CO2	9/9/2020	WNV
Stanislaus	TRLK1673	1020	Cx. tarsalis	Patterson	50	CO2	9/9/2020	WNV
Stanislaus	TRLK17274	1038	Cx. tarsalis	Newman	50	CO2	9/9/2020	WNV

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Stanislaus	TRLK18218	956	Cx. pipiens	Hughson	50	CO2	9/3/2020	WNV
Stanislaus	TRLK19107	945	Cx. pipiens	Ceres	50	CO2	9/2/2020	WNV
Stanislaus	TRLK19107	946	Cx. pipiens	Ceres	50	CO2	9/2/2020	WNV
Stanislaus	TRLK19107	948	Cx. pipiens	Ceres	50	CO2	9/2/2020	WNV
Stanislaus	TRLK19107	949	Cx. pipiens	Ceres	50	CO2	9/2/2020	WNV
Stanislaus	TRLK19107	950	Cx. pipiens	Ceres	50	CO2	9/2/2020	WNV
Stanislaus	TRLK19107	951	Cx. pipiens	Ceres	50	CO2	9/2/2020	WNV
Stanislaus	TRLK19107	952	Cx. pipiens	Ceres	50	CO2	9/2/2020	WNV
Stanislaus	TRLK2	1053	Cx. pipiens	Vernalis	42	CO2	9/9/2020	WNV
Stanislaus	TRLK20502	940	Cx. pipiens	Turlock	50	CO2	9/2/2020	WNV
Stanislaus	TRLK20502	941	Cx. pipiens	Turlock	50	CO2	9/2/2020	WNV
Stanislaus	TRLK305	974	Cx. tarsalis	Grayson	50	CO2	9/9/2020	WNV
Stanislaus	TRLK305	976	Cx. tarsalis	Grayson	50	CO2	9/9/2020	WNV
Stanislaus	TRLK322	1070	Cx. tarsalis	Vernalis	50	CO2	9/9/2020	WNV
Stanislaus	TRLK424	1012	Cx. tarsalis	Patterson	50	CO2	9/9/2020	WNV
Stanislaus	TRLK548	966	Cx. tarsalis	Newman	47	CO2	9/9/2020	WNV
Tulare	DLNO60	262	Cx. quinquefasciatus	Delano	50	CO2	9/2/2020	WNV
Tulare	DLNO60	263	Cx. tarsalis	Delano	50	CO2	9/2/2020	SLEV
Tulare	DLNO60	263	Cx. tarsalis	Delano	50	CO2	9/2/2020	WNV
Tulare	DLTA6404	2073	Cx. tarsalis	Dinuba	42	CO2	9/9/2020	SLEV
Tulare	DLTA6404	2074	Cx. tarsalis	Dinuba	10	CO2	9/9/2020	SLEV
Tulare	DLTA6404	2075	Cx. stigmatosoma	Dinuba	22	CO2	9/9/2020	SLEV
Tulare	DLTA6404	2077	Cx. quinquefasciatus	Dinuba	12	CO2	9/9/2020	SLEV
Tulare	DLTA6404	2079	Cx. stigmatosoma	Dinuba	29	CO2	9/9/2020	SLEV
Tulare	DLTA6404	2081	Cx. quinquefasciatus	Dinuba	40	CO2	9/9/2020	SLEV
Tulare	DLTA6404	2083	Cx. tarsalis	Dinuba	50	CO2	9/9/2020	SLEV
Tulare	DLTA6404	2084	Cx. tarsalis	Dinuba	28	CO2	9/9/2020	SLEV
Tulare	DLTA6404	2086	Cx. quinquefasciatus	Dinuba	50	CO2	9/9/2020	WNV
Tulare	DLTA6404	2087	Cx. quinquefasciatus	Dinuba	50	CO2	9/9/2020	WNV
Tulare	DLTA6404	2088	Cx. quinquefasciatus	Dinuba	23	CO2	9/9/2020	WNV
Tulare	DLTA6404	2089	Cx. tarsalis	Dinuba	50	CO2	9/9/2020	SLEV
Tulare	DLTA6404	2092	Cx. stigmatosoma	Dinuba	50	CO2	9/9/2020	SLEV
Tulare	DLTA6404	2093	Cx. stigmatosoma	Dinuba	33	CO2	9/9/2020	SLEV
Tulare	DLTA6407	2033	Cx. quinquefasciatus	Dinuba	20	GRVD	9/3/2020	WNV
Tulare	DLTA6407	2045	Cx. quinquefasciatus	Dinuba	50	GRVD	9/4/2020	SLEV
Tulare	DLTA6407	2046	Cx. quinquefasciatus	Dinuba	50	GRVD	9/4/2020	SLEV
Tulare	DLTA6407	2048	Cx. quinquefasciatus	Dinuba	50	GRVD	9/4/2020	SLEV
Tulare	DLTA6407	2049	Cx. quinquefasciatus	Dinuba	45	GRVD	9/4/2020	SLEV
Tulare	DLTA6407	2102	Cx. quinquefasciatus	Dinuba	38	BGSENT	9/9/2020	WNV
Tulare	DLTA6408	2053	Cx. quinquefasciatus	Dinuba	33	GRVD	9/4/2020	WNV
Tulare	DLTA6417	2041	Cx. quinquefasciatus	Dinuba	26	GRVD	9/4/2020	WNV
Tulare	DLTA8419	2099	Cx. quinquefasciatus	Goshen	20	GRVD	9/9/2020	WNV
Tulare	DLTA8423	2068	Cx. quinquefasciatus	Visalia	50	BGSENT	9/4/2020	SLEV
Tulare	DLTA8424	2101	Cx. quinquefasciatus	Visalia	45	BGSENT	9/9/2020	WNV
Tulare	DLTA8527	2050	Cx. quinquefasciatus	Visalia	17	GRVD	9/4/2020	WNV
Tulare	KNGS3017	499	Cx. pipiens	Waukena	13	CO2	9/4/2020	WNV
Yolo	SAYO103002	5584	Cx. tarsalis	Dunnigan	40	CO2	9/9/2020	WNV
Yolo	SAYO114001	5597	Cx. tarsalis	Zamora	50	CO2	9/9/2020	WNV
Yolo	SAYO125021	4984	Cx. pipiens	Woodland	23	GRVD	8/28/2020	WNV
Yolo	SAYO146002	5538	Cx. tarsalis	Davis	50	CO2	9/9/2020	WNV

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Sentinel Chickens

County	Site Code	Nearest City	Date Bled	Virus	Band 01	Band 02
Los Angeles	LACW1010	Los Angeles	9/1/2020	WNV	2341	2394
Los Angeles	LACW1049	Inglewood	9/2/2020	WNV	2366	2370

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 with a plaque reduction neutralization test (PRNT).

Dead Birds

Oral swab samples collected from bird carcasses are tested at the UC Davis Arbovirus Research and Training laboratory (DART) or at a local agency for West Nile virus by RT-qPCR.

Sentinel Chickens:

Dried blood spot samples from sentinel chickens are tested at the California Department of Public Health Vector-Borne Disease Laboratory for IgG antibodies to West Nile, St. Louis encephalitis, and western equine encephalomyelitis viruses by an EIA. Positive samples are confirmed by IFA, western-blot, or PRNT.

Mosquito Pools:

Mosquito pools are tested at DART or at a local agency for West Nile, western equine encephalomyelitis, and St. Louis encephalitis viral RNA using a multiplex RT-qPCR. Invasive *Aedes* mosquitoes (*Ae. aegypti* and *Ae. albopictus*) are also tested at DART for chikungunya, dengue, and Zika viral RNA by a separate RT-qPCR.

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.maps.calsurv.org. For national information on WNV and other arboviruses, please visit the CDC websites: www.cdc.gov and www.cdc.gov/arbonet/maps/ADB_Diseases_Map/index.html

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