

California Arbovirus Surveillance Bulletin #22

Week 36 Friday, September 8, 2023



WEEKLY UPDATE

Humans

West Nile virus

A total of 20 human cases of West Nile virus (WNV) were reported this week from 11 counties: Butte (4), Contra Costa (1), Kern (1), Kings (1), Los Angeles (4), Placer (2), San Bernardino (2), Stanislaus (2), Sutter (1), Tulare (1), and Yuba (1). **These are the first human cases of WNV reported from Contra Costa and Placer counties this year.** In 2023, a total of 98 human cases of WNV have been reported from 23 counties: Butte (14), Contra Costa (1), El Dorado (1), Glenn (3), Kern (2), Kings (3), Lake (4), Los Angeles (7), Madera (1), Merced (2), Orange (1), Placer (2), Riverside (3), Sacramento (10), San Bernardino (9), San Joaquin (6), Santa Clara (1), Shasta (1), Stanislaus (3), Sutter (3), Tulare (10), Yolo (8), and Yuba (3). Of the 98 cases, 70 (71%) had neuroinvasive disease and 5 (5%) were fatal. The median age of the case-patients was 54 years and 65 (66%) of the case-patients were male. The dates of symptom onset ranged from June 30 to Aug 25. In addition to the 98 WNV human cases, 11 asymptomatic WNV-positive blood donors have been reported from 7 counties: Amador (1), Butte (1), Fresno (2), Los Angeles (2), San Bernardino (2), Stanislaus (1), and Yolo (2). At this time last year, 41 WNV human cases had been reported from 12 counties.

St. Louis encephalitis virus

No cases of St. Louis encephalitis virus (SLEV) were reported this week. In 2023, 1 SLEV human case has been reported from 1 county. At this time last year, 4 SLEV human cases had been reported from 3 counties.

Dead Birds

A total of 59 new WNV positive dead birds were reported this week from 12 counties: Contra Costa (12), Los Angeles (2), Napa (1), Placer (3), Riverside (2), Sacramento (16), San Bernardino (2), San Diego (1), San Mateo (1), Santa Clara (11), Sonoma (1), and Yolo (7). **This is the first reported WNV activity for San Diego County this year.** In 2023, 502 WNV positive dead birds have been reported from 26 counties. At this time last year, 126 WNV positive dead birds had been reported from 19 counties.

Mosquito Pools

West Nile virus

A total of 295 new WNV positive mosquito pools were identified from 19 counties: Butte (9), Fresno (29), Inyo (1), Kern (1), Lake (2), Los Angeles (43), Madera (22), Orange (6), Placer (4), Riverside (14), Sacramento (24), San Bernardino (12), San Joaquin (49), Santa Clara (1), Shasta (6), Solano (5), Stanislaus (37), Tulare (25), and Yolo (5). In 2023, 3,455 WNV positive mosquito pools have been reported from 29 counties. At this time last year, 2,399 WNV positive mosquito pools had been reported from 25 counties.

St. Louis encephalitis virus

A total of 68 new SLEV positive mosquito pools were identified from 5 counties: Fresno (24), Kern (3), Madera (13), San Joaquin (1), and Tulare (27). In 2023, 370 SLEV positive mosquito pools have been reported from 12 counties. At this time last year, 76 SLEV positive mosquito pools had been reported from 7 counties.

Sentinel Chickens

A total of 13 new WNV positive chickens were reported this week from 6 counties: Alameda (3), Calaveras (2), Los Angeles (3), Nevada (1), Tehama (2), and Yuba (2). **These are the first WNV positive chickens reported from Alameda and Los Angeles counties and the first reported WNV activity for Calaveras County this year.** In 2023, 132 WNV positive chickens have been reported from 17 counties. At this time last year, 84 WNV positive chickens had been reported from 12 counties.

California Arbovirus Surveillance Bulletin #22

Week 36 Friday, September 8, 2023

2022 & 2023 YTD West Nile Virus Comparisons		
	2022	2023
Total No. Dead Bird Reports	3,764	4,939
No. Positive Counties	28	39
No. Human Cases	41	98
No. Positive Dead Birds / No. Tested	126 / 1,025	502 / 1,441
No. Positive Mosquito Pools / No. Tested	2,399 / 29,497	3,455 / 38,551
No. Seroconversions / No. Tested	84 / 3,829	132 / 2,893

YTD WNV Activity by Element and County, 2023					
County	Humans*	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			17	6	3
Butte	14	1		65	30
Calaveras					2
Colusa			2	2	2
Contra Costa	1		34	11	5
El Dorado	1		1		
Fresno		1	1	183	
Glenn	3			1	
Imperial				3	
Inyo				2	
Kern	2	2		88	
Kings	3	1		47	
Lake	4		3	22	
Los Angeles	7		21	313	3
Madera	1	1	1	177	
Merced	2	1		36	22
Napa		1	2	4	
Nevada			1		2
Orange	1	1		46	
Placer	2		41	170	
Riverside	3		46	53	
Sacramento	10	2	169	307	5
San Benito					3
San Bernardino	9	1	10	122	
San Diego			1		
San Joaquin	6	1	18	553	
San Luis Obispo		2			
San Mateo			2		
Santa Clara	1	1	51	13	
Shasta	1		1	119	4
Solano			11	24	9
Sonoma			5		
Stanislaus	3	2	5	240	
Sutter	3		6	63	17
Tehama					4
Tulare	10	1	5	480	10
Ventura			3		
Yolo	8		45	280	4
Yuba	3	1		25	7
Totals	98	20	502	3,455	132

*Asymptomatic human infections are not included.

California Arbovirus Surveillance Bulletin #22

Week 36 Friday, September 8, 2023

YTD SLEV Activity by Element and County, 2023			
County	Humans	Mosquito Pools	Sentinel Chickens
Fresno		86	
Imperial		2	
Inyo		1	
Kern	1	45	
Kings		7	
Madera		26	
Merced		4	
Riverside		101	
San Joaquin		4	
Stanislaus		4	
Tulare		89	
Yolo		1	
Totals	1	370	0

TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	20	0	0
	YTD	98	1	0

		Positive / Total Tested					
		WNV	SLEV	WEEV	CHIK	DENV	ZIKA
Dead Birds	Week	59 / 83					
	YTD	502 / 1,441					
Chicken Sera	Week	13 / 141	0 / 141	0 / 141			
	YTD	132 / 2,893	0 / 2,893	0 / 2,893			
Mosquito Pools	Week	295 / 1,968	68 / 1,815	0 / 1,815	0 / 0	0 / 0	0 / 0
	YTD	3,455 / 38,551	370 / 34,882	0 / 34,882	0 / 424	0 / 424	0 / 424

California Arbovirus Surveillance Bulletin #22

Week 36 Friday, September 8, 2023

NEW POSITIVES

Dead Birds

County	Agency	City	Zip Code	Species	Date Reported	Virus
Contra Costa	Contra Costa MVCD	Antioch	94531	American Crow	8/31/2023	WNV
Contra Costa	Contra Costa MVCD	Brentwood	94513	California Scrub-Jay	9/2/2023	WNV
Contra Costa	Contra Costa MVCD	Clayton	94517	American Crow	9/3/2023	WNV
Contra Costa	Contra Costa MVCD	Clayton	94517	California Scrub-Jay	9/3/2023	WNV
Contra Costa	Contra Costa MVCD	Concord	94521	American Crow	9/4/2023	WNV
Contra Costa	Contra Costa MVCD	Concord	94519	American Crow	9/6/2023	WNV
Contra Costa	Contra Costa MVCD	Concord	94521	American Crow	9/6/2023	WNV
Contra Costa	Contra Costa MVCD	Danville	94526	American Crow	9/4/2023	WNV
Contra Costa	Contra Costa MVCD	Danville	94506	Red-tailed Hawk	9/5/2023	WNV
Contra Costa	Contra Costa MVCD	Walnut Creek	94598	American Crow	9/3/2023	WNV
Contra Costa	Contra Costa MVCD	Walnut Creek	94598	American Crow	9/3/2023	WNV
Contra Costa	Contra Costa MVCD	Walnut Creek	94597	American Crow	9/4/2023	WNV
Los Angeles	San Gabriel Valley MVCD	Covina	91723	American Crow	9/6/2023	WNV
Los Angeles	San Gabriel Valley MVCD	Covina	91723	American Crow	9/6/2023	WNV
Napa	Napa Co MAD	Napa	94558	American Crow	9/5/2023	WNV
Placer	Placer MVCD	Lincoln	95648	Goldfinch	9/3/2023	WNV
Placer	Placer MVCD	Rocklin	95765	Northern Mockingbird	8/31/2023	WNV
Placer	Placer MVCD	Rocklin	95677	Yellow-billed Magpie	9/6/2023	WNV
Riverside	Northwest Mosquito VCD	Norco	92860	American Crow	8/28/2023	WNV
Riverside	Northwest Mosquito VCD	Norco	92860	American Crow	8/28/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Antelope	95843	House Sparrow	8/31/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	American Crow	8/31/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95758	Mourning Dove	8/30/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	House Finch	9/1/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	Lesser Goldfinch	9/1/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	Northern Mockingbird	9/5/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95757	American Crow	9/6/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Elverta	95626	American Crow	8/31/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Fair Oaks	95628	Mourning Dove	8/31/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Orangevale	95662	Western Bluebird	9/1/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	California Scrub-Jay	8/29/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95818	Western Bluebird	8/29/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	House Finch	8/31/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95835	House Finch	9/3/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	Cooper's Hawk	9/5/2023	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95833	American Crow	9/6/2023	WNV
San Bernardino	West Valley MVCD	Rancho Cucamonga	91730	American Crow	9/6/2023	WNV
San Bernardino	West Valley MVCD	Upland	91786	American Crow	9/6/2023	WNV
San Diego	San Diego Co VCP	La Mesa	91941	American Crow	8/28/2023	WNV
San Mateo	San Mateo Co MVCD	Redwood City	94065	American Crow	8/14/2023	WNV
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	9/5/2023	WNV
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	9/5/2023	WNV
Santa Clara	Santa Clara Co VCD	Mountain View	94043	American Crow	8/31/2023	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95132	American Crow	8/30/2023	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95122	Northern Mockingbird	8/30/2023	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95123	California Scrub-Jay	8/31/2023	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95123	American Crow	8/31/2023	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95136	American Crow	9/4/2023	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	9/5/2023	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95125	Finch	9/6/2023	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95116	American Crow	9/6/2023	WNV
Sonoma	Marin-Sonoma MVCD	Santa Rosa	95403	American Crow	8/29/2023	WNV
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	8/31/2023	WNV
Yolo	Sacramento-Yolo MVCD	Davis	95618	Northern Mockingbird	9/2/2023	WNV
Yolo	Sacramento-Yolo MVCD	Davis	95618	Lesser Goldfinch	9/4/2023	WNV

California Arbovirus Surveillance Bulletin #22

Week 36 Friday, September 8, 2023

Yolo	Sacramento-Yolo MVCD	Woodland	95695	American Crow	8/30/2023	WNV
Yolo	Sacramento-Yolo MVCD	Woodland	95776	Mourning Dove	8/31/2023	WNV
Yolo	Sacramento-Yolo MVCD	Woodland	95776	Northern Mockingbird	8/31/2023	WNV
Yolo	Sacramento-Yolo MVCD	Woodland	95695	Western Bluebird	9/2/2023	WNV

Mosquito Pools

County	Site Code	Pool #	Species	City	# in Pool	Trap	Collected	Virus
Butte	BUCO 126	435	Cx tarsalis	Chico	31	CO2	8/30/2023	WNV
Butte	BUCO 147	432	Cx tarsalis	Gridley	28	CO2	8/29/2023	WNV
Butte	BUCO 176	434	Cx tarsalis	Gridley	20	CO2	8/30/2023	WNV
Butte	BUCO 36	426	Cx tarsalis	Gridley	50	CO2	8/28/2023	WNV
Butte	BUCO 36	427	Cx tarsalis	Gridley	50	CO2	8/28/2023	WNV
Butte	BUCO 36	428	Cx tarsalis	Gridley	50	CO2	8/28/2023	WNV
Butte	BUCO 36	429	Cx tarsalis	Gridley	50	CO2	8/28/2023	WNV
Butte	BUCO 55	430	Cx tarsalis	Palermo	50	CO2	8/28/2023	WNV
Butte	BUCO 68	431	Cx tarsalis	Gridley	50	CO2	8/29/2023	WNV
Fresno	CNSL 1147	728	Cx quinquefasciatus	Clovis	50	GRVD	8/31/2023	SLEV
Fresno	CNSL 1299	732	Cx quinquefasciatus	Clovis	43	GRVD	8/31/2023	WNV
Fresno	CNSL 1355	719	Cx quinquefasciatus	Fresno	30	GRVD	8/29/2023	WNV
Fresno	CNSL 1566	727	Cx quinquefasciatus	Fresno	50	GRVD	8/31/2023	WNV
Fresno	CNSL 1566	727	Cx quinquefasciatus	Fresno	50	GRVD	8/31/2023	SLEV
Fresno	CNSL 1600	745	Cx tarsalis	Friant	44	CO2	9/1/2023	WNV
Fresno	CNSL 1639	718	Cx quinquefasciatus	Clovis	37	GRVD	8/29/2023	SLEV
Fresno	CNSL 1760	716	Cx quinquefasciatus	Fresno	50	GRVD	8/29/2023	SLEV
Fresno	CNSL 1893	733	Cx quinquefasciatus	Clovis	50	GRVD	8/31/2023	WNV
Fresno	CNSL 1920	743	Cx quinquefasciatus	Fresno	46	GRVD	9/1/2023	SLEV
Fresno	CNSL 1955	731	Cx quinquefasciatus	Clovis	29	GRVD	8/31/2023	WNV
Fresno	CNSL 2466	741	Cx quinquefasciatus	Sanger	50	GRVD	9/1/2023	WNV
Fresno	CNSL 2561	740	Cx quinquefasciatus	Sanger	34	GRVD	9/1/2023	WNV
Fresno	CNSL 2641	742	Cx quinquefasciatus	Sanger	50	GRVD	9/1/2023	WNV
Fresno	CNSL 2641	742	Cx quinquefasciatus	Sanger	50	GRVD	9/1/2023	SLEV
Fresno	CNSL 3002	726	Cx stigmatosoma	Sanger	50	GRVD	8/30/2023	WNV
Fresno	CNSL 3002	726	Cx stigmatosoma	Sanger	50	GRVD	8/30/2023	SLEV
Fresno	CNSL 3500	737	Cx quinquefasciatus	Reedley	50	GRVD	8/31/2023	WNV
Fresno	CNSL 3500	737	Cx quinquefasciatus	Reedley	50	GRVD	8/31/2023	SLEV
Fresno	CNSL 3504	735	Cx quinquefasciatus	Reedley	50	GRVD	8/31/2023	WNV
Fresno	CNSL 3504	735	Cx quinquefasciatus	Reedley	50	GRVD	8/31/2023	SLEV
Fresno	CNSL 4173	724	Cx quinquefasciatus	Fowler	42	GRVD	8/30/2023	WNV
Fresno	CNSL 4185	723	Cx quinquefasciatus	Fowler	25	BGSENT	8/30/2023	WNV
Fresno	CNSL 5273	721	Cx quinquefasciatus	Kingsburg	50	BGSENT	8/29/2023	SLEV
Fresno	CNSL 6297	725	Cx quinquefasciatus	Riverdale	50	BGSENT	8/30/2023	SLEV
Fresno	CNSL 9047	730	Cx quinquefasciatus	Clovis	50	GRVD	8/31/2023	WNV
Fresno	CNSL 9138	729	Cx quinquefasciatus	Clovis	30	GRVD	8/31/2023	WNV
Fresno	FRNO 111	847	Cx quinquefasciatus	Fresno	19	GRVD	8/31/2023	SLEV
Fresno	FRNO 112	835	Cx quinquefasciatus	Fresno	13	BGSENT	8/29/2023	WNV
Fresno	FRNO 113	858	Cx quinquefasciatus	Fresno	14	BGSENT	8/31/2023	SLEV
Fresno	FRNO 15	852	Cx tarsalis	Fresno	10	GRVD	8/31/2023	SLEV
Fresno	FRNO 162	822	Cx quinquefasciatus	Fresno	11	GRVD	8/29/2023	WNV
Fresno	FRNO 162	822	Cx quinquefasciatus	Fresno	11	GRVD	8/29/2023	SLEV
Fresno	FRNO 182	819	Cx quinquefasciatus	Fresno	15	GRVD	8/29/2023	WNV
Fresno	FRNO 182	819	Cx quinquefasciatus	Fresno	15	GRVD	8/29/2023	SLEV
Fresno	FRNO 183	825	Cx quinquefasciatus	Fresno	50	GRVD	8/29/2023	WNV
Fresno	FRNO 183	825	Cx quinquefasciatus	Fresno	50	GRVD	8/29/2023	SLEV
Fresno	FRNO 183	831	Cx quinquefasciatus	Fresno	18	GRVD	8/29/2023	WNV
Fresno	FRNO 207	843	Cx quinquefasciatus	Fresno	39	GRVD	8/31/2023	SLEV
Fresno	FRNO 238	834	Cx quinquefasciatus	Fresno	47	GRVD	8/29/2023	SLEV
Fresno	FRNO 261	844	Cx quinquefasciatus	Fresno	21	GRVD	8/31/2023	WNV
Fresno	FRNO 261	844	Cx quinquefasciatus	Fresno	21	GRVD	8/31/2023	SLEV
Fresno	FRNO 281	842	Cx quinquefasciatus	Fresno	28	GRVD	8/31/2023	SLEV
Fresno	FRNO 8	826	Cx quinquefasciatus	Fresno	50	GRVD	8/29/2023	WNV
Fresno	FRNO 8	826	Cx quinquefasciatus	Fresno	50	GRVD	8/29/2023	SLEV
Fresno	FRNO 8002	820	Cx quinquefasciatus	Fresno	32	GRVD	8/29/2023	WNV
Fresno	FRNO 8002	820	Cx quinquefasciatus	Fresno	32	GRVD	8/29/2023	SLEV
Fresno	FRNO 88	818	Cx quinquefasciatus	Fresno	33	GRVD	8/29/2023	SLEV
Fresno	FRWS 100006	376	Cx tarsalis	Dos Palos	50	CO2	9/6/2023	WNV
Fresno	FRWS 200003	375	Cx tarsalis	Dos Palos	50	CO2	9/6/2023	WNV

California Arbovirus Surveillance Bulletin #22

Week 36 Friday, September 8, 2023

Fresno	FRWS 300001	367	Cx quinquefasciatus	Firebaugh	29	BGSENT	8/31/2023	WNV
Fresno	FRWS 300011	380	Cx quinquefasciatus	Firebaugh	11	GRVD	9/6/2023	WNV
Fresno	FRWS 400017	381	Cx tarsalis	Mendota	50	CO2	9/6/2023	WNV
Inyo	INYO 1014	69	Cx tarsalis	Independence	50	CO2-EVS	9/5/2023	WNV
Kern	KERN 114	1175	Cx tarsalis	Bakersfield	22	CO2	8/29/2023	SLEV
Kern	KERN 40	1177	Aedes melanimon	Lost Hills	50	CO2	8/29/2023	SLEV
Kern	KERN 44	1180	Cx quinquefasciatus	Shafter	27	CO2	8/31/2023	WNV
Kern	KERN 44	1180	Cx quinquefasciatus	Shafter	27	CO2	8/31/2023	SLEV
Lake	LAKE 1000	369	Cx tarsalis	Upper Lake	50	CO2	8/30/2023	WNV
Lake	LAKE 94	376	Cx tarsalis	Upper Lake	23	CO2	9/6/2023	WNV
Los Angeles	GRLA 2021	5672	Cx quinquefasciatus	Reseda	50	GRVD	8/29/2023	WNV
Los Angeles	GRLA 2029	5683	Cx quinquefasciatus	Canoga Park	43	BGSENT	8/30/2023	WNV
Los Angeles	GRLA 2030	5682	Cx quinquefasciatus	West Hills	48	BGSENT	8/30/2023	WNV
Los Angeles	GRLA 2031	5675	Cx quinquefasciatus	Northridge	50	GRVD	8/29/2023	WNV
Los Angeles	GRLA 2032	5671	Cx quinquefasciatus	Northridge	36	BGSENT	8/29/2023	WNV
Los Angeles	GRLA 2034	5668	Cx quinquefasciatus	Tarzana	28	GRVD	8/29/2023	WNV
Los Angeles	GRLA 2312	664	Cx quinquefasciatus	San Pedro	21	GRVD	8/31/2023	WNV
Los Angeles	GRLA 2321	661	Cx quinquefasciatus	Carson	50	BGSENT	8/31/2023	WNV
Los Angeles	GRLA 2438	5686	Cx quinquefasciatus	Chatsworth	50	GRVD	8/30/2023	WNV
Los Angeles	GRLA 2539	5674	Cx quinquefasciatus	Chatsworth	40	BGSENT	8/29/2023	WNV
Los Angeles	GRLA 2567	5677	Cx quinquefasciatus	Woodland Hills	32	BGSENT	8/30/2023	WNV
Los Angeles	GRLA 2635	5666	Cx quinquefasciatus	Lake Balboa	50	GRVD	8/29/2023	WNV
Los Angeles	GRLA 2810	5692	Cx quinquefasciatus	Glendale	41	GRVD	9/1/2023	WNV
Los Angeles	GRLA 2856	5693	Cx quinquefasciatus	Burbank	22	GRVD	9/1/2023	WNV
Los Angeles	GRLA 2936	5701	Cx quinquefasciatus	Burbank	27	GRVD	9/1/2023	WNV
Los Angeles	GRLA 2995	5678	Cx quinquefasciatus	Woodland Hills	50	BGSENT	8/30/2023	WNV
Los Angeles	GRLA 3028	5684	Cx quinquefasciatus	West Hills	27	GRVD	8/30/2023	WNV
Los Angeles	GRLA 3036	5685	Cx quinquefasciatus	Canoga Park	50	GRVD	8/30/2023	WNV
Los Angeles	GRLA 3067	663	Cx quinquefasciatus	Gardena	50	BGSENT	8/31/2023	WNV
Los Angeles	GRLA 3078	5697	Cx quinquefasciatus	Los Feliz	27	BGSENT	9/1/2023	WNV
Los Angeles	SGVA 1000	665	Cx quinquefasciatus	Azusa	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 1019	629	Cx quinquefasciatus	West Covina	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 1076	645	Cx quinquefasciatus	Pomona	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 1103	633	Cx quinquefasciatus	West Covina	43	GRVD	9/6/2023	WNV
Los Angeles	SGVA 1316	625	Cx quinquefasciatus	West Covina	47	GRVD	9/6/2023	WNV
Los Angeles	SGVA 1316	627	Cx quinquefasciatus	West Covina	48	GRVD	9/6/2023	WNV
Los Angeles	SGVA 1317	637	Cx quinquefasciatus	West Covina	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 29	666	Cx quinquefasciatus	Pomona	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 450	652	Cx quinquefasciatus	La Puente	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 451	673	Cx quinquefasciatus	Glendora	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 466	663	Cx quinquefasciatus	Pasadena	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 469	672	Cx quinquefasciatus	Pomona	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 501	660	Cx quinquefasciatus	Irwindale	45	GRVD	9/6/2023	WNV
Los Angeles	SGVA 505	642	Cx quinquefasciatus	Monterey Park	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 509	656	Cx quinquefasciatus	Glendora	30	GRVD	9/6/2023	WNV
Los Angeles	SGVA 64	644	Cx quinquefasciatus	West Covina	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 687	630	Cx quinquefasciatus	West Covina	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 687	631	Cx quinquefasciatus	West Covina	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 687	632	Cx quinquefasciatus	West Covina	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 8	643	Cx quinquefasciatus	Pomona	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 875	646	Cx quinquefasciatus	Walnut	50	GRVD	9/6/2023	WNV
Los Angeles	SGVA 915	655	Cx quinquefasciatus	San Dimas	35	GRVD	9/6/2023	WNV
Los Angeles	SGVA 956	670	Cx quinquefasciatus	Walnut	50	GRVD	9/6/2023	WNV
Madera	MADR 1109	480	Cx tarsalis	Madera	25	CO2	9/1/2023	WNV
Madera	MADR 1109	480	Cx tarsalis	Madera	25	CO2	9/1/2023	SLEV
Madera	MADR 189	452	Cx tarsalis	Firebaugh	50	CO2	8/29/2023	WNV
Madera	MADR 195	474	Cx quinquefasciatus	Madera	18	CO2	8/31/2023	WNV
Madera	MADR 195	474	Cx quinquefasciatus	Madera	18	CO2	8/31/2023	SLEV
Madera	MADR 195	475	Cx tarsalis	Madera	50	CO2	8/31/2023	WNV
Madera	MADR 198	473	Cx tarsalis	Madera	37	CO2	8/31/2023	WNV
Madera	MADR 198	473	Cx tarsalis	Madera	37	CO2	8/31/2023	SLEV
Madera	MADR 208	489	Cx quinquefasciatus	Madera	50	CO2	9/1/2023	WNV
Madera	MADR 208	490	Cx tarsalis	Madera	50	CO2	9/1/2023	WNV
Madera	MADR 208	490	Cx tarsalis	Madera	50	CO2	9/1/2023	SLEV
Madera	MADR 227	486	Cx tarsalis	Madera	23	CO2	9/1/2023	SLEV
Madera	MADR 259	484	Cx tarsalis	Madera	50	CO2	9/1/2023	WNV
Madera	MADR 259	484	Cx tarsalis	Madera	50	CO2	9/1/2023	SLEV
Madera	MADR 298	441	Cx tarsalis	Chowchilla	50	CO2	8/29/2023	SLEV
Madera	MADR 299	448	Cx quinquefasciatus	Chowchilla	50	CO2	8/29/2023	WNV

California Arbovirus Surveillance Bulletin #22

Week 36 Friday, September 8, 2023

Madera	MADR 299	449	Cx tarsalis	Chowchilla	50	CO2	8/29/2023	WNV
Madera	MADR 300	446	Cx quinquefasciatus	Chowchilla	50	CO2	8/29/2023	WNV
Madera	MADR 300	447	Cx tarsalis	Chowchilla	49	CO2	8/29/2023	WNV
Madera	MADR 311	458	Cx tarsalis	Madera	32	CO2	8/30/2023	WNV
Madera	MADR 311	458	Cx tarsalis	Madera	32	CO2	8/30/2023	SLEV
Madera	MADR 3334	487	Cx quinquefasciatus	Madera	50	CO2	9/1/2023	WNV
Madera	MADR 3334	487	Cx quinquefasciatus	Madera	50	CO2	9/1/2023	SLEV
Madera	MADR 3334	488	Cx tarsalis	Madera	50	CO2	9/1/2023	WNV
Madera	MADR 3334	488	Cx tarsalis	Madera	50	CO2	9/1/2023	SLEV
Madera	MADR 690	460	Cx tarsalis	Madera	50	CO2	8/30/2023	WNV
Madera	MADR 690	468	Cx quinquefasciatus	Madera	38	CO2	8/31/2023	WNV
Madera	MADR 690	469	Cx tarsalis	Madera	50	CO2	8/31/2023	SLEV
Madera	MADR 697	445	Cx tarsalis	Firebaugh	50	CO2	8/29/2023	WNV
Madera	MADR 729	476	Cx quinquefasciatus	Chowchilla	27	CO2	8/31/2023	WNV
Madera	MADR 730	437	Cx quinquefasciatus	Chowchilla	50	CO2	8/25/2023	WNV
Madera	MADR 85	465	Cx quinquefasciatus	Madera	22	CO2	8/30/2023	WNV
Madera	MADR 85	466	Cx tarsalis	Madera	20	CO2	8/30/2023	SLEV
Madera	MADR 967	482	Cx tarsalis	Madera	24	CO2	9/1/2023	WNV
Madera	MADR 967	482	Cx tarsalis	Madera	24	CO2	9/1/2023	SLEV
Orange	ORCO 182	3405	Cx quinquefasciatus	Orange	41	GRVD	9/6/2023	WNV
Orange	ORCO 218	3385	Cx quinquefasciatus	Anaheim	29	GRVD	9/6/2023	WNV
Orange	ORCO 218	3444	Cx quinquefasciatus	Anaheim	29	GRVD	9/6/2023	WNV
Orange	ORCO 321	3417	Cx quinquefasciatus	Anaheim	46	GRVD	9/6/2023	WNV
Orange	ORCO 343	3465	Cx quinquefasciatus	Orange	26	GRVD	9/6/2023	WNV
Orange	ORCO 364	3478	Cx quinquefasciatus	Garden Grove	29	GRVD	9/7/2023	WNV
Placer	PLCR 1113	1447	Cx tarsalis	Pleasant Grove	50	CO2	9/6/2023	WNV
Placer	PLCR 1113	1449	Cx tarsalis	Pleasant Grove	43	CO2	9/6/2023	WNV
Placer	PLCR 191218	1394	Cx tarsalis	Roseville	27	CO2	9/5/2023	WNV
Placer	PLCR 30	1467	Cx tarsalis	Lincoln	8	CO2	9/7/2023	WNV
Riverside	COAV 122	4528	Cx tarsalis	Mecca	50	CO2	9/6/2023	WNV
Riverside	COAV 122	4529	Cx tarsalis	Mecca	50	CO2	9/6/2023	WNV
Riverside	COAV 122	4533	Cx quinquefasciatus	Mecca	31	CO2	9/6/2023	WNV
Riverside	COAV 46	4545	Cx tarsalis	Mecca	50	CO2	9/6/2023	WNV
Riverside	COAV 763	4526	Cx quinquefasciatus	La Quinta	50	BGSENT	9/6/2023	WNV
Riverside	NWST 141	208	Cx quinquefasciatus	Riverside	50	BGSENT	8/31/2023	WNV
Riverside	NWST 167	207	Cx quinquefasciatus	Eastvale	50	BGSENT	8/30/2023	WNV
Riverside	NWST 224	193	Cx quinquefasciatus	Corona	50	BGSENT	8/24/2023	WNV
Riverside	NWST 350	209	Cx quinquefasciatus	Riverside	45	BGSENT	8/31/2023	WNV
Riverside	NWST 353	195	Cx quinquefasciatus	Eastvale	41	BGSENT	8/29/2023	WNV
Riverside	NWST 354	196	Cx quinquefasciatus	Eastvale	50	BGSENT	8/29/2023	WNV
Riverside	NWST 355	199	Cx tarsalis	Eastvale	42	BGSENT	8/29/2023	WNV
Riverside	NWST 356	200	Cx quinquefasciatus	Corona	30	BGSENT	8/29/2023	WNV
Riverside	RIVR 103	274	Cx tarsalis	Perris	26	CO2	8/30/2023	WNV
Sacramento	SAYO 212021	6394	Cx tarsalis	Sacramento	3	CO2	9/6/2023	WNV
Sacramento	SAYO 223028	6171	Cx tarsalis	Sacramento	5	CO2	9/1/2023	WNV
Sacramento	SAYO 232031	6093	Cx pipiens	Elk Grove	6	CO2	9/1/2023	WNV
Sacramento	SAYO 232031	6094	Cx tarsalis	Elk Grove	15	CO2	9/1/2023	WNV
Sacramento	SAYO 232038	6302	Cx tarsalis	Sacramento	3	CO2	9/6/2023	WNV
Sacramento	SAYO 233009	6381	Cx tarsalis	Elk Grove	30	CO2	9/6/2023	WNV
Sacramento	SAYO 233042	6179	Cx pipiens	Elk Grove	1	CO2	9/1/2023	WNV
Sacramento	SAYO 242004	6085	Cx tarsalis	Elk Grove	50	CO2	9/1/2023	WNV
Sacramento	SAYO 242004	6086	Cx tarsalis	Elk Grove	15	CO2	9/1/2023	WNV
Sacramento	SAYO 243026	6105	Cx pipiens	Elk Grove	44	CO2	9/1/2023	WNV
Sacramento	SAYO 243026	6107	Cx tarsalis	Elk Grove	20	CO2	9/1/2023	WNV
Sacramento	SAYO 245026	6124	Cx tarsalis	Wilton	32	CO2	9/1/2023	WNV
Sacramento	SAYO 254021	6092	Cx tarsalis	Galt	11	CO2	9/1/2023	WNV
Sacramento	SAYO 255007	6114	Cx tarsalis	Herald	43	CO2	9/1/2023	WNV
Sacramento	SAYO 261003	6166	Cx tarsalis	Isleton	50	CO2	9/1/2023	WNV
Sacramento	SAYO 280001	6142	Cx tarsalis	Rio Vista	50	CO2	9/1/2023	WNV
Sacramento	SAYO 280001	6143	Cx tarsalis	Rio Vista	33	CO2	9/1/2023	WNV
Sacramento	SAYO 353498	6048	Cx pipiens	Sacramento	21	BGSENT	8/30/2023	WNV
Sacramento	SAYO 355554	6072	Cx pipiens	Sacramento	50	BGSENT	8/30/2023	WNV
Sacramento	SAYO 410830	6019	Cx tarsalis	Wilton	29	CO2	8/29/2023	WNV
Sacramento	SAYO 410830	6327	Cx tarsalis	Wilton	37	GRVD	9/6/2023	WNV
Sacramento	SAYO 414124	6042	Cx pipiens	Elk Grove	14	BGSENT	8/29/2023	WNV
Sacramento	SAYO 414756	6131	Cx pipiens	Galt	7	GRVD	9/1/2023	WNV
Sacramento	SAYO 414888	6440	Cx pipiens	Rancho Cordova	10	BGSENT	9/6/2023	WNV
San Bernardino	SANB 37	286	Cx tarsalis	San Bernardino	50	CO2	8/29/2023	WNV
San Bernardino	SANB 37	303	Cx quinquefasciatus	San Bernardino	14	CO2	8/31/2023	WNV

California Arbovirus Surveillance Bulletin #22

Week 36 Friday, September 8, 2023

San Bernardino	SANB 50	291	Cx quinquefasciatus	Fontana	5	CO2	8/30/2023	WNV
San Bernardino	WVAL 1122	1916	Cx quinquefasciatus	Chino	7	BGSENT	9/6/2023	WNV
San Bernardino	WVAL 2001	2044	Cx tarsalis	Chino Hills	16	CO2	9/7/2023	WNV
San Bernardino	WVAL 2003	2021	Cx tarsalis	Chino	19	CO2	9/7/2023	WNV
San Bernardino	WVAL 2031	2067	Cx quinquefasciatus	Ontario	22	BGSENT	9/8/2023	WNV
San Bernardino	WVAL 2033	2073	Cx quinquefasciatus	Chino	50	BGSENT	9/8/2023	WNV
San Bernardino	WVAL 4013	1908	Cx quinquefasciatus	Ontario	22	CO2	9/6/2023	WNV
San Bernardino	WVAL 4721	1981	Cx tarsalis	Chino	6	BGSENT	9/7/2023	WNV
San Bernardino	WVAL 486	2045	Cx quinquefasciatus	Rancho Cucamonga	26	BGSENT	9/7/2023	WNV
San Bernardino	WVAL 4998	1958	Cx quinquefasciatus	Chino	19	BGSENT	9/7/2023	WNV
San Joaquin	SJCM 8008	2545	Cx tarsalis	Manteca	50	CO2	9/6/2023	WNV
San Joaquin	SJCM 8008	2546	Cx tarsalis	Manteca	24	CO2	9/6/2023	WNV
San Joaquin	SJCM 8010	2551	Cx tarsalis	Ripon	50	CO2	9/6/2023	WNV
San Joaquin	SJCM 8010	2552	Cx tarsalis	Ripon	8	CO2	9/6/2023	WNV
San Joaquin	SJCM 8010	2553	Cx pipiens	Ripon	29	CO2	9/6/2023	WNV
San Joaquin	SJCM 8018	2573	Cx tarsalis	Stockton	50	CO2	9/6/2023	WNV
San Joaquin	SJCM 8018	2574	Cx tarsalis	Stockton	52	CO2	9/6/2023	WNV
San Joaquin	SJCM 8029	2622	Cx tarsalis	Farmington	20	CO2	9/8/2023	WNV
San Joaquin	SJCM 8029	2623	Cx pipiens	Farmington	50	CO2	9/8/2023	WNV
San Joaquin	SJCM 8029	2624	Cx pipiens	Farmington	50	CO2	9/8/2023	WNV
San Joaquin	SJCM 8029	2625	Cx pipiens	Farmington	50	CO2	9/8/2023	WNV
San Joaquin	SJCM 8029	2626	Cx pipiens	Farmington	50	CO2	9/8/2023	WNV
San Joaquin	SJCM 8029	2627	Cx pipiens	Farmington	44	CO2	9/8/2023	WNV
San Joaquin	SJCM 8032	2629	Cx pipiens	Escalon	50	CO2	9/8/2023	WNV
San Joaquin	SJCM 8079	2531	Cx tarsalis	Manteca	11	CO2	9/6/2023	WNV
San Joaquin	SJCM 8094	2557	Cx tarsalis	Manteca	50	CO2	9/6/2023	WNV
San Joaquin	SJCM 8094	2558	Cx tarsalis	Manteca	50	CO2	9/6/2023	WNV
San Joaquin	SJCM 8094	2559	Cx tarsalis	Manteca	15	CO2	9/6/2023	WNV
San Joaquin	SJCM 8111	2555	Cx tarsalis	Stockton	53	CO2	9/6/2023	WNV
San Joaquin	SJCM 8160	2594	Cx tarsalis	Lodi	46	CO2	9/6/2023	WNV
San Joaquin	SJCM 8161	2525	Cx tarsalis	Ripon	13	CO2	9/6/2023	WNV
San Joaquin	SJCM 8161	2526	Cx pipiens	Ripon	25	CO2	9/6/2023	WNV
San Joaquin	SJCM 8189	2643	Cx tarsalis	Acampo	50	CO2	9/8/2023	WNV
San Joaquin	SJCM 8199	2565	Cx tarsalis	Manteca	50	CO2	9/6/2023	WNV
San Joaquin	SJCM 8199	2569	Cx pipiens	Manteca	51	CO2	9/6/2023	WNV
San Joaquin	SJCM 8200	2633	Cx tarsalis	Lodi	50	CO2	9/8/2023	WNV
San Joaquin	SJCM 8200	2633	Cx tarsalis	Lodi	50	CO2	9/8/2023	SLEV
San Joaquin	SJCM 8200	2635	Cx pipiens	Lodi	5	CO2	9/8/2023	WNV
San Joaquin	SJCM 8204	2534	Cx tarsalis	Stockton	50	CO2	9/6/2023	WNV
San Joaquin	SJCM 8204	2536	Cx pipiens	Stockton	6	CO2	9/6/2023	WNV
San Joaquin	SJCM 8205	2618	Cx tarsalis	Farmington	53	CO2	9/8/2023	WNV
San Joaquin	SJCM 8205	2619	Cx pipiens	Farmington	50	CO2	9/8/2023	WNV
San Joaquin	SJCM 8205	2620	Cx pipiens	Farmington	50	CO2	9/8/2023	WNV
San Joaquin	SJCM 8206	2596	Cx tarsalis	Lodi	100	CO2	9/6/2023	WNV
San Joaquin	SJCM 8206	2597	Cx tarsalis	Lodi	100	CO2	9/6/2023	WNV
San Joaquin	SJCM 8206	2598	Cx tarsalis	Lodi	100	CO2	9/6/2023	WNV
San Joaquin	SJCM 8206	2599	Cx tarsalis	Lodi	100	CO2	9/6/2023	WNV
San Joaquin	SJCM 8206	2600	Cx tarsalis	Lodi	100	CO2	9/6/2023	WNV
San Joaquin	SJCM 8206	2605	Cx pipiens	Lodi	50	CO2	9/6/2023	WNV
San Joaquin	SJCM 8208	2636	Cx tarsalis	Lodi	47	CO2	9/8/2023	WNV
San Joaquin	SJCM 8208	2637	Cx pipiens	Lodi	47	CO2	9/8/2023	WNV
San Joaquin	SJCM 8209	2638	Cx tarsalis	Lodi	44	CO2	9/8/2023	WNV
San Joaquin	SJCM 8209	2639	Cx pipiens	Lodi	50	CO2	9/8/2023	WNV
San Joaquin	SJCM 8218	2613	Cx tarsalis	Escalon	8	CO2	9/8/2023	WNV
San Joaquin	SJCM 8219	2570	Cx tarsalis	Stockton	50	CO2	9/6/2023	WNV
San Joaquin	SJCM 8219	2571	Cx tarsalis	Stockton	51	CO2	9/6/2023	WNV
San Joaquin	SJCM 8230	2602	Cx tarsalis	Thornton	50	CO2	9/6/2023	WNV
San Joaquin	SJCM 8230	2604	Cx pipiens	Thornton	24	CO2	9/6/2023	WNV
San Joaquin	SJCM 8233	2563	Cx tarsalis	Stockton	14	CO2	9/6/2023	WNV
San Joaquin	SJCM 8253	2615	Cx tarsalis	Linden	50	CO2	9/8/2023	WNV
Santa Clara	STCL 32122	2868	Cx tarsalis	Palo Alto	5	CO2-EVS	8/29/2023	WNV
Shasta	SHAS 10020	1857	Cx pipiens	Anderson	31	CO2	9/6/2023	WNV
Shasta	SHAS 148	1833	Cx tarsalis	Cottonwood	29	CO2	9/6/2023	WNV
Shasta	SHAS 5002	1824	Cx pipiens	Anderson	15	CO2	9/6/2023	WNV
Shasta	SHAS 634	1848	Cx pipiens	Anderson	49	CO2	9/6/2023	WNV
Shasta	SHAS 665	1818	Cx tarsalis	Bella Vista	5	CO2	9/1/2023	WNV
Shasta	SHAS 665	1822	Cx tarsalis	Bella Vista	12	CO2	9/6/2023	WNV
Solano	SOLA 42	361	Cx tarsalis	Benicia	50	CO2	9/6/2023	WNV
Solano	SOLA 42	363	Cx tarsalis	Benicia	50	CO2	9/6/2023	WNV

California Arbovirus Surveillance Bulletin #22

Week 36 Friday, September 8, 2023

Solano	SOLA 8840	353	Cx tarsalis	Fairfield	50	CO2	9/6/2023	WNV
Solano	SOLA 9236	357	Cx tarsalis	Fairfield	50	CO2	9/6/2023	WNV
Solano	SOLA 9236	358	Cx tarsalis	Fairfield	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 1303	1453	Cx pipiens	Patterson	42	CO2	9/6/2023	WNV
Stanislaus	TRLK 1305	1507	Cx tarsalis	Patterson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 1615	1458	Cx pipiens	Modesto	27	CO2	9/6/2023	WNV
Stanislaus	TRLK 1615	1459	Cx tarsalis	Modesto	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 1615	1460	Cx tarsalis	Modesto	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 1615	1461	Cx tarsalis	Modesto	47	CO2	9/6/2023	WNV
Stanislaus	TRLK 1616	1456	Cx tarsalis	Modesto	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 1673	1469	Cx pipiens	Patterson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 1673	1472	Cx tarsalis	Patterson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 1673	1475	Cx tarsalis	Patterson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 2315	1509	Cx pipiens	Grayson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 2315	1511	Cx tarsalis	Grayson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 23238	1421	Cx tarsalis	Turlock	38	CO2	8/30/2023	WNV
Stanislaus	TRLK 23240	1423	Cx pipiens	Denair	21	CO2	8/31/2023	WNV
Stanislaus	TRLK 23241	1427	Cx pipiens	Denair	50	CO2	8/31/2023	WNV
Stanislaus	TRLK 23241	1428	Cx pipiens	Denair	31	CO2	8/31/2023	WNV
Stanislaus	TRLK 23245	1442	Cx pipiens	Turlock	50	CO2	8/31/2023	WNV
Stanislaus	TRLK 23245	1443	Cx pipiens	Turlock	50	CO2	8/31/2023	WNV
Stanislaus	TRLK 23245	1444	Cx pipiens	Turlock	50	CO2	8/31/2023	WNV
Stanislaus	TRLK 23246	1429	Cx pipiens	Hickman	8	CO2	8/31/2023	WNV
Stanislaus	TRLK 23253	1491	Cx pipiens	Turlock	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 23254	1493	Cx pipiens	Turlock	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 23254	1494	Cx tarsalis	Turlock	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 305	1500	Cx tarsalis	Grayson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 305	1501	Cx tarsalis	Grayson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 305	1502	Cx tarsalis	Grayson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 307	1514	Cx pipiens	Grayson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 312	1484	Cx tarsalis	Newman	40	CO2	9/6/2023	WNV
Stanislaus	TRLK 424	1463	Cx tarsalis	Patterson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 437	1522	Cx tarsalis	Patterson	47	CO2	9/6/2023	WNV
Stanislaus	TRLK 548	1445	Cx tarsalis	Newman	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 806	1450	Cx tarsalis	Grayson	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 9732	1482	Cx tarsalis	Newman	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 9768	1495	Cx pipiens	Modesto	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 9768	1496	Cx tarsalis	Modesto	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 9768	1497	Cx tarsalis	Modesto	50	CO2	9/6/2023	WNV
Stanislaus	TRLK 9768	1498	Cx tarsalis	Modesto	50	CO2	9/6/2023	WNV
Tulare	DLTA 6407	5571	Cx quinquefasciatus	Dinuba	50	BGSENT	8/30/2023	SLEV
Tulare	DLTA 6407	5572	Cx quinquefasciatus	Dinuba	50	BGSENT	8/30/2023	WNV
Tulare	DLTA 6407	5572	Cx quinquefasciatus	Dinuba	50	BGSENT	8/30/2023	SLEV
Tulare	DLTA 64073	5595	Cx quinquefasciatus	Dinuba	50	GRVD	8/31/2023	SLEV
Tulare	DLTA 64073	5629	Cx tarsalis	Dinuba	24	BGSENT	8/31/2023	SLEV
Tulare	DLTA 64073	5633	Cx quinquefasciatus	Dinuba	50	BGSENT	8/31/2023	SLEV
Tulare	DLTA 6408	5562	Cx stigmatosoma	Dinuba	26	BGSENT	8/30/2023	SLEV
Tulare	DLTA 6408	5594	Cx quinquefasciatus	Dinuba	19	GRVD	8/31/2023	SLEV
Tulare	DLTA 6408	5612	Cx quinquefasciatus	Dinuba	50	BGSENT	8/31/2023	SLEV
Tulare	DLTA 6408	5613	Cx quinquefasciatus	Dinuba	45	BGSENT	8/31/2023	SLEV
Tulare	DLTA 64163	5600	Cx quinquefasciatus	Dinuba	31	GRVD	8/31/2023	WNV
Tulare	DLTA 64163	5618	Cx quinquefasciatus	Dinuba	50	BGSENT	8/31/2023	SLEV
Tulare	DLTA 6417	5545	Cx quinquefasciatus	Dinuba	34	GRVD	8/30/2023	WNV
Tulare	DLTA 6417	5545	Cx quinquefasciatus	Dinuba	34	GRVD	8/30/2023	SLEV
Tulare	DLTA 65312	5624	Cx tarsalis	Cutler	18	CO2	8/31/2023	WNV
Tulare	DLTA 65312	5625	Cx stigmatosoma	Cutler	50	CO2	8/31/2023	WNV
Tulare	DLTA 65312	5625	Cx stigmatosoma	Cutler	50	CO2	8/31/2023	SLEV
Tulare	DLTA 65312	5626	Cx stigmatosoma	Cutler	43	CO2	8/31/2023	WNV
Tulare	DLTA 65312	5628	Cx stigmatosoma	Cutler	10	CO2	8/31/2023	WNV
Tulare	DLTA 653232	5606	Cx quinquefasciatus	Yetter	40	CO2	8/31/2023	WNV
Tulare	DLTA 653232	5608	Cx stigmatosoma	Yetter	50	CO2	8/31/2023	WNV
Tulare	DLTA 653232	5608	Cx stigmatosoma	Yetter	50	CO2	8/31/2023	SLEV
Tulare	DLTA 653232	5609	Cx stigmatosoma	Yetter	50	CO2	8/31/2023	SLEV
Tulare	DLTA 653232	5610	Cx stigmatosoma	Yetter	23	CO2	8/31/2023	WNV
Tulare	DLTA 8324	5688	Cx quinquefasciatus	Goshen	10	BGSENT	9/1/2023	SLEV
Tulare	DLTA 8324	5689	Cx quinquefasciatus	Goshen	14	GRVD	9/1/2023	WNV
Tulare	DLTA 8324	5689	Cx quinquefasciatus	Goshen	14	GRVD	9/1/2023	SLEV
Tulare	DLTA 8414	5484	Cx quinquefasciatus	Visalia	12	BGSENT	8/29/2023	SLEV
Tulare	DLTA 8419	5563	Cx quinquefasciatus	Goshen	50	BGSENT	8/30/2023	WNV

California Arbovirus Surveillance Bulletin #22

Week 36 Friday, September 8, 2023

Tulare	DLTA 8419	5564	Cx quinquefasciatus	Goshen	50	BGSENT	8/30/2023	WNV
Tulare	DLTA 84193	5611	Cx quinquefasciatus	Visalia	41	BGSENT	8/31/2023	SLEV
Tulare	DLTA 84194	5681	Cx quinquefasciatus	Visalia	29	BGSENT	9/1/2023	WNV
Tulare	DLTA 84194	5681	Cx quinquefasciatus	Visalia	29	BGSENT	9/1/2023	SLEV
Tulare	DLTA 842013	5546	Cx quinquefasciatus	Visalia	37	CO2	8/30/2023	WNV
Tulare	DLTA 842013	5547	Cx tarsalis	Visalia	36	CO2	8/30/2023	SLEV
Tulare	DLTA 842132	5541	Cx quinquefasciatus	Visalia	50	CO2	8/30/2023	SLEV
Tulare	DLTA 8422	5672	Cx quinquefasciatus	Goshen	33	BGSENT	9/1/2023	WNV
Tulare	DLTA 84223	5648	Cx quinquefasciatus	Visalia	50	BGSENT	8/31/2023	SLEV
Tulare	DLTA 8423	5641	Cx quinquefasciatus	Visalia	50	BGSENT	8/31/2023	WNV
Tulare	DLTA 8423	5642	Cx quinquefasciatus	Visalia	50	BGSENT	8/31/2023	WNV
Tulare	DLTA 843232	5534	Cx quinquefasciatus	Visalia	50	CO2	8/30/2023	SLEV
Tulare	DLTA 85304	5659	Cx quinquefasciatus	Visalia	10	BGSENT	9/1/2023	WNV
Tulare	DLTA 85304	5659	Cx quinquefasciatus	Visalia	10	BGSENT	9/1/2023	SLEV
Tulare	DLTA 8531	5645	Cx tarsalis	Visalia	17	BGSENT	8/31/2023	SLEV
Tulare	DLTA 8532	5680	Cx quinquefasciatus	Visalia	38	BGSENT	9/1/2023	WNV
Tulare	DLTA 9506	5578	Cx quinquefasciatus	Visalia	18	GRVD	8/30/2023	WNV
Tulare	DLTA 9506	5578	Cx quinquefasciatus	Visalia	18	GRVD	8/30/2023	SLEV
Tulare	DLTA 960332	5661	Cx stigmatosoma	Exeter	14	CO2	9/1/2023	WNV
Tulare	DLTA 9610	5653	Cx quinquefasciatus	Exeter	16	BGSENT	8/31/2023	SLEV
Tulare	DLTA 96103	5655	Cx quinquefasciatus	Exeter	35	BGSENT	8/31/2023	WNV
Tulare	DLTA 961233	5662	Cx quinquefasciatus	Exeter	32	CO2	9/1/2023	WNV
Tulare	DLTA 961233	5664	Cx stigmatosoma	Exeter	36	CO2	9/1/2023	WNV
Yolo	SAYO 125012	6352	Cx pipiens	Woodland	27	GRVD	9/6/2023	WNV
Yolo	SAYO 145005	6261	Cx tarsalis	Davis	50	CO2	9/6/2023	WNV
Yolo	SAYO 146002	6243	Cx tarsalis	Davis	50	CO2	9/6/2023	WNV
Yolo	SAYO 337415	6253	Cx tarsalis	Davis	50	CO2	9/6/2023	WNV
Yolo	SAYO 384708	6446	Cx pipiens	Winters	6	BGSENT	9/6/2023	WNV

Sentinel Chickens

County	Site Code	Nearest City	Date Bled	Virus	Band 01	Band 02
Alameda	ACVC 13	Livermore	8/31/2023	WNV	1806	
Alameda	ALCO 21	Livermore	8/30/2023	WNV	83	
Alameda	ALCO 200	Union City	8/30/2023	WNV	96	
Calaveras	SCSD 9901	Copperopolis	9/1/2023	WNV	1933	1935
Los Angeles	LACW 1005	El Segundo	8/24/2023	WNV	2024	
Los Angeles	LACW 1009	Los Angeles	8/15/2023	WNV	2037	
Los Angeles	LACW 1010	Los Angeles	8/16/2023	WNV	2043	
Nevada	NEVA 9	Grass Valley	8/31/2023	WNV	1864	
Tehama	TEHA 1	Red Bluff	8/30/2023	WNV	2841	2845
Yuba	SUYA 7	Marysville	8/31/2023	WNV	2794	2798

California Arbovirus Surveillance Bulletin #22

Week 36 Friday, September 8, 2023

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, <https://westnile.ca.gov>, or the California Vector-Borne Disease Surveillance System website, <https://maps.vectorsurv.org>.

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 Hannah Romo: Hannah.romo@cdph.ca.gov