

California Arbovirus Surveillance Bulletin #16

Week 30 Friday, July 26, 2024



WEEKLY UPDATE

Humans

West Nile virus

A total of 2 human cases of West Nile virus (WNV) disease were reported this week from 2 counties: Fresno (1) and Yuba (1). **These are the first human cases of WNV disease reported in California in 2024.** In 2024, 2 human cases of WNV disease were reported from 2 counties. In addition to the 2 cases of WNV disease, 3 asymptomatic WNV-positive blood donors have been reported from 1 county: Fresno (3). At this time last year, 2 human cases of WNV disease had been reported from 1 county.

St. Louis encephalitis virus

No human cases of St. Louis encephalitis virus (SLEV) disease have been reported. At this time last year, 1 human case of SLEV disease had been reported from 1 county.

Dead Birds

A total of 28 new WNV positive dead birds were reported from 7 counties: Alameda (3), Butte (3), Contra Costa (1), Los Angeles (2), Riverside (1), Sacramento (3), and Santa Clara (15). In 2024, 156 WNV positive dead birds have been reported from 13 counties. At this time last year, 147 WNV positive dead birds had been reported from 17 counties.

Mosquito Pools

West Nile virus

A total of 140 new WNV positive mosquito pools were reported from 21 counties: Alameda (1), Butte (5), Fresno (17), Kern (2), Kings (1), Lake (2), Los Angeles (12), Madera (2), Merced (3), Orange (1), Placer (11), Riverside (9), San Bernardino (11), San Joaquin (22), Santa Clara (3), Shasta (1), Solano (2), Stanislaus (1), Sutter (14), Tulare (4), and Yuba (16). **These are the first detections of WNV activity in Solano and Sutter counties this year.** In 2024, 583 WNV positive mosquito pools have been reported from 24 counties. At this time last year, 1,225 WNV positive mosquito pools had been reported from 25 counties.

St. Louis encephalitis virus

A single (1) new SLEV positive mosquito pool was reported from 1 county: Fresno (1). In 2024, 13 SLEV positive mosquito pools have been reported from 3 counties: Fresno (9), Imperial (1), and Tulare (3). At this time last year, 137 SLEV positive mosquito pools had been reported from 8 counties.

Sentinel Chickens

A total of 11 new WNV positive chickens were reported this week from 4 counties: Butte (1), Contra Costa (5), Lake (2), and Tulare (3). **These are the first WNV positive chickens reported from Butte, Contra Costa, Lake, and Tulare counties this year.** In 2024, 11 WNV positive chickens have been reported from 4 counties. At this time last year, 13 WNV positive chickens had been reported from 4 counties.

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2023 & 2024 YTD West Nile Virus Comparisons		
	2023	2024
Total No. Dead Bird Reports	3,389	3,753
No. Positive Counties	28	27
No. Human Cases	2	2
No. Positive Dead Birds / No. Tested	147 / 844	156 / 1,003
No. Positive Mosquito Pools / No. Tested	1,225 / 26,685	583 / 24,732
No. Seroconversions / No. Tested	13 / 1,986	11 / 2,168

YTD WNV Activity by Element and County, 2024					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			21	11	
Butte			4	7	1
Contra Costa			4		5
Fresno	1			110	
Imperial				2	
Kern				11	
Kings				14	
Lake				5	2
Los Angeles			3	20	
Madera				5	
Merced				7	
Orange			1	10	
Placer		1		16	
Riverside			2	187	
Sacramento			37	20	
San Bernardino			5	35	
San Diego			2		
San Joaquin			3	46	
San Mateo			7		
Santa Clara			66	7	
Shasta				4	
Solano				2	
Stanislaus				7	
Sutter				14	
Tulare				11	3
Yolo			1	10	
Yuba	1			22	
Totals	2	1	156	583	11

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TESTING SUMMARIES

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

Positive / Total Tested							
		WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	28 / 63
	YTD	156 / 1,003

Chicken Sera	Week	11 / 216	0 / 216	0 / 216
	YTD	11 / 2,168	0 / 2,168	0 / 2,168

Mosquito Pools	Week	140 / 1,743	1 / 1,635	0 / 1,635	0 / 0	0 / 0	0 / 0
	YTD	583 / 24,732	13 / 23,055	0 / 23,076	0 / 258	0 / 258	0 / 258

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Alameda	Alameda Co MAD	Oakland	94603	Sparrow	7/19/2024	WNV
Alameda	Alameda Co MAD	Livermore	94551	Unknown - Crow or Raven	7/22/2024	WNV
Alameda	Alameda Co MAD	Livermore	94551	Unknown - Crow or Raven	7/22/2024	WNV
Butte	Butte Co MVCD	Chico	95928	Yellow-billed Magpie	7/16/2024	WNV
Butte	Butte Co MVCD	Chico	95928	Yellow-billed Magpie	7/17/2024	WNV
Butte	Butte Co MVCD	Chico	95928	Yellow-billed Magpie	7/17/2024	WNV
Contra Costa	Contra Costa MVCD	Oakley	94561	Common Raven	7/12/2024	WNV
Los Angeles	Los Angeles Co West VCD	Inglewood	90303	American Crow	7/3/2024	WNV
Los Angeles	Greater Los Angeles Co VCD Sylmar	Sun Valley	91352	American Crow	7/9/2024	WNV
Riverside	Northwest Mosquito VCD	Corona	92878	American Crow	7/9/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95823	American Crow	7/17/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	House Finch	7/18/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	American Crow	7/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Stanford	94305	American Crow	7/19/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95054	American Crow	7/19/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	7/19/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	7/19/2024	WNV
Santa Clara	Santa Clara Co VCD	Milpitas	95035	American Crow	7/19/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	7/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	7/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Altos	94022	American Crow	7/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Altos	94022	American Crow	7/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	7/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Gatos	95032	American Crow	7/24/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95131	American Crow	7/24/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95134	American Crow	7/24/2024	WNV

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Santa Clara	Santa Clara Co VCD	San Jose	95123	American Crow	7/24/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	7/24/2024	WNV

Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Alameda	ALCO 981777	32909	Cx tarsalis	Fremont	38	CO2	7/25/2024	WNV
Butte	BUCO 113	140	Cx tarsalis	Gridley	50	CO2	7/17/2024	WNV
Butte	BUCO 123	145	Cx tarsalis	Oroville	50	CO2	7/17/2024	WNV
Butte	BUCO 146	133	Cx tarsalis	Palermo	50	CO2	7/16/2024	WNV
Butte	BUCO 146	135	Cx tarsalis	Palermo	50	CO2	7/16/2024	WNV
Butte	BUCO 55	130	Cx tarsalis	Palermo	50	CO2	7/16/2024	WNV
Fresno	CNSL 1410	486	Cx quinquefasciatus	Fresno	50	GRVD	7/17/2024	WNV
Fresno	CNSL 2066	146	Cx stigmatosoma	Sanger	50	GRVD	7/17/2024	WNV
Fresno	CNSL 2437	147	Cx quinquefasciatus	Sanger	50	GRVD	7/17/2024	WNV
Fresno	CNSL 2590	152	Cx quinquefasciatus	Sanger	50	GRVD	7/18/2024	WNV
Fresno	CNSL 3002	487	Cx stigmatosoma	Sanger	39	GRVD	7/17/2024	WNV
Fresno	CNSL 3109	142	Cx quinquefasciatus	Reedley	31	GRVD	7/16/2024	WNV
Fresno	CNSL 3407	143	Cx quinquefasciatus	Reedley	36	GRVD	7/16/2024	WNV
Fresno	CNSL 3428	145	Cx quinquefasciatus	Reedley	35	GRVD	7/16/2024	WNV
Fresno	CNSL 3429	151	Cx quinquefasciatus	Parlier	50	GRVD	7/18/2024	WNV
Fresno	CNSL 4358	149	Cx quinquefasciatus	Fowler	41	GRVD	7/18/2024	WNV
Fresno	FRNO 112	401	Cx quinquefasciatus	Fresno	50	GRVD	7/23/2024	WNV
Fresno	FRNO 112	401	Cx quinquefasciatus	Fresno	50	GRVD	7/23/2024	SLEV
Fresno	FRNO 254	383	Cx quinquefasciatus	Fresno	25	GRVD	7/18/2024	WNV
Fresno	FRNO 8	405	Cx quinquefasciatus	Fresno	21	BGSENT	7/23/2024	WNV
Fresno	FRNO 8002	392	Cx quinquefasciatus	Fresno	14	GRVD	7/23/2024	WNV
Fresno	FRWS 1202	95	Cx tarsalis	Dos Palos	50	CO2	7/23/2024	WNV
Fresno	FRWS 400017	99	Cx tarsalis	Mendota	46	CO2	7/24/2024	WNV
Fresno	FRWS 4102	100	Cx tarsalis	Kerman	50	CO2	7/24/2024	WNV
Kern	KERN 3029	264	Cx tarsalis	Buttonwillow	44	CO2	7/16/2024	WNV
Kern	KERN 7	267	Cx tarsalis	Famoso	50	CO2	7/18/2024	WNV
Kings	CNSL 5215	141	Cx quinquefasciatus	Kingsburg	50	GRVD	7/16/2024	WNV
Lake	LAKE 131	178	Cx tarsalis	Lower Lake	50	CO2	7/24/2024	WNV
Lake	LAKE 302	152	Cx tarsalis	Clearlake Oaks	50	CO2	7/16/2024	WNV
Los Angeles	GRLA 2031	5574	Cx quinquefasciatus	Northridge	50	GRVD	7/15/2024	WNV
Los Angeles	GRLA 2032	5572	Cx quinquefasciatus	Northridge	50	GRVD	7/15/2024	WNV
Los Angeles	GRLA 2539	5575	Cx quinquefasciatus	Porter Ranch	40	GRVD	7/15/2024	WNV
Los Angeles	GRLA 2540	5573	Cx quinquefasciatus	Porter Ranch	50	GRVD	7/15/2024	WNV
Los Angeles	GRLA 2635	5566	Cx quinquefasciatus	Lake Balboa	50	GRVD	7/15/2024	WNV
Los Angeles	GRLA 2936	5595	Cx quinquefasciatus	Burbank	50	GRVD	7/18/2024	WNV
Los Angeles	LACW 1048	826	Cx quinquefasciatus	Inglewood	50	CO2	6/27/2024	WNV
Los Angeles	LACW 1048	827	Cx quinquefasciatus	Inglewood	50	CO2	6/27/2024	WNV
Los Angeles	SGVA 1437	457	Cx quinquefasciatus	Baldwin Park	19	GRVD	7/25/2024	WNV
Los Angeles	SGVA 5	437	Cx quinquefasciatus	Irwindale	47	GRVD	7/23/2024	WNV
Los Angeles	SGVA 509	427	Cx quinquefasciatus	Glendora	50	GRVD	7/23/2024	WNV
Los Angeles	SGVA 62	425	Cx quinquefasciatus	Covina	50	GRVD	7/23/2024	WNV
Madera	MADR 12345	264	Cx tarsalis	Madera	28	CO2	7/19/2024	WNV
Madera	MADR 751	229	Cx quinquefasciatus	Chowchilla	50	CO2	7/16/2024	WNV
Merced	MERC 102	211	Cx tarsalis	Merced	50	CO2	7/18/2024	WNV
Merced	MERC 1222	203	Cx tarsalis	Merced	50	CO2	7/18/2024	WNV
Merced	MERC 486159	220	Cx tarsalis	Winton	48	CO2	7/24/2024	WNV
Orange	ORCO 193	1449	Cx quinquefasciatus	Huntington Beach	34	GRVD	7/23/2024	WNV
Placer	PLCR 1113	746	Cx tarsalis	Pleasant Grove	50	CO2	7/23/2024	WNV
Placer	PLCR 1113	748	Cx tarsalis	Pleasant Grove	41	CO2	7/23/2024	WNV
Placer	PLCR 1114	755	Cx tarsalis	Lincoln	50	CO2	7/23/2024	WNV
Placer	PLCR 1114	757	Cx tarsalis	Lincoln	50	CO2	7/23/2024	WNV
Placer	PLCR 17	781	Cx stigmatosoma	Sheridan	16	CO2	7/24/2024	WNV
Placer	PLCR 191373	786	Cx tarsalis	Unknown	50	CO2	7/24/2024	WNV
Placer	PLCR 197802	763	Cx tarsalis	Elverta	50	CO2	7/23/2024	WNV
Placer	PLCR 198710	749	Cx tarsalis	Lincoln	50	CO2	7/23/2024	WNV
Placer	PLCR 25	760	Cx tarsalis	Lincoln	50	CO2	7/23/2024	WNV
Placer	PLCR 25	761	Cx tarsalis	Lincoln	21	CO2	7/23/2024	WNV
Placer	PLCR 718137	715	Cx tarsalis	Sheridan	6	CO2	7/19/2024	WNV
Riverside	COAV 0	4138	Cx tarsalis	Indio	50	BGSENT	7/23/2024	WNV
Riverside	COAV 0	4139	Cx tarsalis	Indio	43	BGSENT	7/23/2024	WNV
Riverside	COAV 17	4204	Cx tarsalis	Mecca	50	CO2	7/23/2024	WNV
Riverside	COAV 17	4205	Cx tarsalis	Mecca	26	CO2	7/23/2024	WNV

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Riverside	COAV 418	4399	Cx quinquefasciatus	Indian Wells	5	BGSENT	7/25/2024	WNV
Riverside	COAV 778	4194	Cx quinquefasciatus	La Quinta	50	BGSENT	7/23/2024	WNV
Riverside	NWST 440	222	Cx quinquefasciatus	Eastvale	37	GRVD	7/23/2024	WNV
Riverside	RIVR 7	91	Cx tarsalis	Nuevo	39	CO2	7/17/2024	WNV
Riverside	RIVR 88	89	Cx tarsalis	Nuevo	50	CO2	7/17/2024	WNV
San Bernardino	WVAL 1269	1276	Cx quinquefasciatus	Ontario	50	BGSENT	7/25/2024	WNV
San Bernardino	WVAL 1269	1280	Cx quinquefasciatus	Ontario	50	BGSENT	7/25/2024	WNV
San Bernardino	WVAL 2044	1299	Cx quinquefasciatus	Ontario	50	BGSENT	7/25/2024	WNV
San Bernardino	WVAL 3376	1179	Cx quinquefasciatus	Chino	46	BGSENT	7/23/2024	WNV
San Bernardino	WVAL 4721	1189	Cx quinquefasciatus	Chino	50	BGSENT	7/23/2024	WNV
San Bernardino	WVAL 5443	1248	Cx quinquefasciatus	Chino	50	BGSENT	7/25/2024	WNV
San Bernardino	WVAL 5443	1250	Cx quinquefasciatus	Chino	50	BGSENT	7/25/2024	WNV
San Bernardino	WVAL 5467	1349	Cx quinquefasciatus	Chino	50	BGSENT	7/25/2024	WNV
San Bernardino	WVAL 5758	1265	Cx quinquefasciatus	Ontario	50	BGSENT	7/25/2024	WNV
San Bernardino	WVAL 5772	1373	Cx quinquefasciatus	Rancho Cucamonga	50	BGSENT	7/26/2024	WNV
San Bernardino	WVAL 6051	1313	Cx quinquefasciatus	Chino	31	BGSENT	7/25/2024	WNV
San Joaquin	SJCM 8008	998	Cx tarsalis	Manteca	50	FAYPRINCE	7/23/2024	WNV
San Joaquin	SJCM 8018	1026	Cx tarsalis	Stockton	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8018	1029	Cx tarsalis	Stockton	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8018	1030	Cx tarsalis	Stockton	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8018	1031	Cx tarsalis	Stockton	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8018	1033	Cx tarsalis	Stockton	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8018	1034	Cx tarsalis	Stockton	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8076	995	Cx tarsalis	Stockton	53	CO2	7/23/2024	WNV
San Joaquin	SJCM 8204	938	Cx tarsalis	Stockton	50	CO2	7/23/2024	WNV
San Joaquin	SJCM 8204	940	Cx tarsalis	Stockton	50	CO2	7/23/2024	WNV
San Joaquin	SJCM 8204	941	Cx tarsalis	Stockton	50	CO2	7/23/2024	WNV
San Joaquin	SJCM 8204	942	Cx tarsalis	Stockton	50	CO2	7/23/2024	WNV
San Joaquin	SJCM 8206	1035	Cx tarsalis	Lodi	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8206	1036	Cx tarsalis	Lodi	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8206	1037	Cx tarsalis	Lodi	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8206	1038	Cx tarsalis	Lodi	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8206	1039	Cx tarsalis	Lodi	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8206	1040	Cx tarsalis	Lodi	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8206	1041	Cx tarsalis	Lodi	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8206	1042	Cx tarsalis	Lodi	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8206	1043	Cx tarsalis	Lodi	100	CO2	7/23/2024	WNV
San Joaquin	SJCM 8211	974	Cx pipiens	Stockton	5	FAYPRINCE	7/23/2024	WNV
Santa Clara	STCL 31789	1887	Cx pipiens	San Jose	1	BGSENT	7/18/2024	WNV
Santa Clara	STCL 31872	1859	Cx pipiens	San Jose	4	CO2	7/18/2024	WNV
Santa Clara	STCL 31915	1853	Cx tarsalis	San Jose	2	CO2	7/18/2024	WNV
Shasta	SHAS 654	352	Cx pipiens	Anderson	50	BGPRO-S	7/22/2024	WNV
Solano	SOLA 417	201	Cx tarsalis	Rio Vista	50	CO2	7/19/2024	WNV
Solano	SOLA 8803	216	Cx tarsalis	Dixon	50	CO2	7/23/2024	WNV
Stanislaus	TRLK 9768	351	Cx tarsalis	Modesto	34	CO2	7/23/2024	WNV
Sutter	SUYA 14	251	Cx tarsalis	Sutter	50	REST	7/23/2024	WNV
Sutter	SUYA 24	180	Cx tarsalis	Yuba City	50	REST	7/15/2024	WNV
Sutter	SUYA 24	289	Cx tarsalis	Yuba City	50	REST	7/24/2024	WNV
Sutter	SUYA 30	176	Cx tarsalis	Live Oak	50	REST	7/15/2024	WNV
Sutter	SUYA 30	178	Cx tarsalis	Live Oak	19	REST	7/15/2024	WNV
Sutter	SUYA 30	286	Cx tarsalis	Live Oak	50	REST	7/23/2024	WNV
Sutter	SUYA 31	282	Cx tarsalis	Rio Oso	47	REST	7/22/2024	WNV
Sutter	SUYA 44	196	Cx tarsalis	Pleasant Grove	50	CO2	7/16/2024	WNV
Sutter	SUYA 44	199	Cx tarsalis	Pleasant Grove	50	CO2	7/16/2024	WNV
Sutter	SUYA 5	281	Cx tarsalis	Live Oak	50	CO2	7/24/2024	WNV
Sutter	SUYA 70	182	Cx tarsalis	Yuba City	50	CO2	7/16/2024	WNV
Sutter	SUYA 70	235	Cx tarsalis	Yuba City	50	CO2	7/23/2024	WNV
Sutter	SUYA 71	291	Cx tarsalis	Meridian	50	REST	7/24/2024	WNV
Sutter	SUYA 84	231	Cx tarsalis	Yuba City	31	CO2	7/23/2024	WNV
Tulare	DLTA 633024	2119	Cx quinquefasciatus	Kingsburg	10	CO2	7/9/2024	WNV
Tulare	DLTA 841543	2226	Cx tarsalis	Visalia	21	CO2	7/18/2024	WNV
Tulare	DLTA 95014	2181	Cx quinquefasciatus	Farmersville	15	GRVD	7/16/2024	WNV
Tulare	TLRE 202404	68	Cx quinquefasciatus	Tulare	41	GRVD	7/17/2024	WNV
Yuba	SUYA 10	214	Cx tarsalis	Olivehurst	50	CO2	7/17/2024	WNV
Yuba	SUYA 10	215	Cx tarsalis	Olivehurst	50	CO2	7/17/2024	WNV
Yuba	SUYA 10	275	Cx tarsalis	Olivehurst	50	CO2	7/24/2024	WNV
Yuba	SUYA 10	277	Cx tarsalis	Olivehurst	50	CO2	7/24/2024	WNV
Yuba	SUYA 10	278	Cx tarsalis	Olivehurst	50	CO2	7/24/2024	WNV
Yuba	SUYA 37	243	Cx tarsalis	Marysville	40	CO2	7/23/2024	WNV

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Yuba	SUYA 39	210	Cx tarsalis	Marysville	50	CO2	7/17/2024	WNV
Yuba	SUYA 39	213	Cx tarsalis	Marysville	46	CO2	7/17/2024	WNV
Yuba	SUYA 39	262	Cx tarsalis	Marysville	50	CO2	7/24/2024	WNV
Yuba	SUYA 4	218	Cx tarsalis	Wheatland	50	CO2	7/17/2024	WNV
Yuba	SUYA 4	268	Cx tarsalis	Wheatland	50	CO2	7/24/2024	WNV
Yuba	SUYA 4	269	Cx tarsalis	Wheatland	50	CO2	7/24/2024	WNV
Yuba	SUYA 40	264	Cx tarsalis	Linda	50	CO2	7/24/2024	WNV
Yuba	SUYA 55	220	Cx tarsalis	Linda	11	CO2	7/17/2024	WNV
Yuba	SUYA 55	274	Cx tarsalis	Linda	32	CO2	7/24/2024	WNV
Yuba	SUYA 8	267	Cx tarsalis	Marysville	50	CO2	7/24/2024	WNV

Sentinel Chickens

County	Site Code	Nearest City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04	Band 05
Butte	BUCO 7	Chico	7/17/2024	WNV	2238				
Contra Costa	CNTR 7402	Oakley	7/15/2024	WNV	2282	2283	2285	2286	2287
Lake	LAKE 1000	Upper Lake	7/18/2024	WNV	2994	2995			
Tulare	TLRE 8	Tulare	7/18/2024	WNV	3387	3389	3390		

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TEST PROTOCOLS

Humans:

Specimens are tested by local laboratories with an IgM or IgG immunofluorescent assay (IFA) and/or an IgM enzyme immunoassay (EIA). Specimens with inconclusive results are forwarded to the California Department of Public Health Viral and Rickettsial Disease Laboratory (VRDL) for further testing 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>

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