

# California Arbovirus Surveillance Bulletin # 27

Week 34 Friday, August 22nd, 2008

## Weekly and Year-To-Date Summaries

### WEEKLY COMMENTS



#### Humans

Nineteen new human cases of West Nile virus (WNV) illness were reported this week from Butte (1), Orange (7), Riverside (6), Sacramento (1), San Diego (1), and San Joaquin (3) counties. In 2008, 92 human cases have been reported in the following 13 counties: Alameda (1), Butte (2), Fresno (1), Los Angeles (25), Orange (21), Riverside (19), Sacramento (4), San Bernardino (2), San Diego (5), San Joaquin (5), Solano (1), Stanislaus (5), and Tulare (1). Of the 92 individuals, 66 (72%) developed neuroinvasive symptoms. The median age of the 92 individuals is 52 years (range: 4-84 years), and 58 (63%) are male. No cases have resulted in fatalities. Twenty-two WNV-positive blood donation samples have been reported this year; 8 of the individuals reported symptoms and were reclassified as cases.

#### Horses

One new equine case was reported this week from Orange County. In 2008, five WNV cases have been detected in horses from Fresno (1), Orange (1), Riverside (2), and San Diego (1) counties.

#### Dead Birds & Tree Squirrels

One hundred and sixty new West Nile virus (WNV) positive dead birds were reported this week from the following counties: Butte (3), Calaveras (1), Contra Costa (6), Glenn (2), Los Angeles (36), Orange (35), Riverside (5), Sacramento (7), San Bernardino (24), San Diego (36), San Joaquin (1), Santa Clara (1), Sonoma (1), and Tehama (2). **This is the first indication of WNV from Calaveras and Tehama counties this year.** In 2008, 1,295 WNV positive dead birds have been detected in 35 counties.

Three new WNV positive tree squirrels were reported this week from Contra Costa (2), and San Bernardino (1) counties. In 2008, nine WNV tree squirrels have been detected from Contra Costa (5), Los Angeles (1), and San Bernardino (3) counties.

#### Mosquito Pools

One hundred and ninety-five new positive mosquito pools were reported this week from the following counties: Alameda (1), Butte (3), Contra Costa (7), Fresno (5), Lake (1), Los Angeles (39), Orange (4), Placer (3), Riverside (5), Sacramento (45), San Bernardino (26), San Diego (1), San Joaquin (33), Stanislaus (5), Tulare (8), and Yolo (3). In 2008, 1,101 WNV positive mosquito pools have been detected in 24 counties.

#### Sentinel Chickens

Forty six new seroconversions were reported this week from Los Angeles (16), Orange (3), Riverside (14), Sacramento (4), San Bernardino (7), San Joaquin (1), and Sutter (1) counties. In 2008, 109 WNV seroconversions have been detected in chickens from 12 counties.

**Website Information:** For updated information on WNV in California, please visit the California WNV website, [www.westnile.ca.gov](http://www.westnile.ca.gov), or the California Vectorborne Disease Surveillance System website, [www.calsurv.org](http://www.calsurv.org). For national information on WNV and other arboviruses, please visit the CDC website, [www.cdc.gov](http://www.cdc.gov), and the USGS website, [www.westnilemaps.usgs.gov](http://www.westnilemaps.usgs.gov).

2007 & 2008 YTD West Nile Virus Comparisons		
	2007	2008
Total # Dead Bird Reports	22,971	24,585
# Positive Counties	48	38
# Human Cases/ # Tested	147 / 722	92 / 636
# Horse Cases/ # Tested	16 / 224	5 / 159
# Positive Dead Birds/ # Tested	717 / 3,769	1,295 / 3,910
# Positive Mosquito Pools/ # Tested	673 / 18,500	1,101 / 20,317
# Positive Chicken Sera/ # Tested	189 / 18,868	109 / 19,366
# Positive Squirrels/ # Tested	10 / 131	9 / 113

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## YTD WNV Activity by Element and County, 2008

County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens	Squirrels
Alameda	1		2	1		
Amador			2			
Butte	2		20	5	2	
Calaveras			1			
Colusa			2			
Contra Costa			40	18		5
El Dorado			2			
Fresno	1	1	10	27		
Glenn			6	1		
Imperial				7	4	
Kern			7	3		
Lake				3		
Los Angeles	25		198	286	27	1
Marin			1			
Mendocino			1			
Merced			1			
Monterey			2			
Nevada			4			
Orange	21	1	354	80	3	
Placer			2	21		
Riverside	19	2	24	78	33	
Sacramento	4		74	231	5	
San Bernardino	2		97	124	19	3
San Diego	5	1	286	13	8	
San Joaquin	5		57	120	1	
San Mateo			1			
Santa Clara			9	1		
Santa Cruz			1			
Shasta			6			
Solano	1		5	1		
Sonoma			1	1		
Stanislaus	5		23	34	5	
Sutter			2	10	1	
Tehama			2			
Tulare	1		45	27	1	
Ventura			3			
Yolo			4	8		
Yuba				1		
<b>Totals</b>	<b>92</b>	<b>5</b>	<b>1,295</b>	<b>1,101</b>	<b>109</b>	<b>9</b>

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## 2008 TEST SUMMARIES

### Human & Horse Cases

		Number Tested	WNV		WEE		SLE		Other	
			Imported	Local	Imported	Local	Imported	Local	Imported	Local
Humans Tested*	Week	56	0	19	0	0	0	0	0	0
	YTD	636	0	92	0	0	0	0	0	0
Horses Tested	Week	1	0	1	0	0	0	0	0	0
	YTD	159	0	5	0	0	0	0	0	0

### Dead Birds & Tree Squirrels

		Number Tested	WNV Positive
Dead Birds	Week	264	160
	YTD	3,910	1,295
Tree Squirrels	Week	6	3
	YTD	113	9

### Sentinel Chickens & Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive
Chicken Sera	Week	1,055	46	0	0
	YTD	19,366	109	0	0
Mosquito Pools: RT-PCR	Week	1,322	138	0	0
	YTD	18,217	857	0	0
Mosquito Pools: RAMP	Week	336	57	N/A	N/A
	YTD	2,100	244	N/A	N/A

## POSITIVES: 8/18/08 – 8/22/08

### Humans

Report Date	County	Age	Sex	Clin Pres	Onset Date	WNF Fatality?
08/15/08	ORANGE	52	M	WNND	Week 31	NO
08/15/08	ORANGE	43	M	WNF	Week 31	NO
08/15/08	RIVERSIDE	66	F	WNND	07/15/08	NO
08/18/08	SACRAMENTO	55	M	WNND	07/23/08	NO
08/18/08	SAN DIEGO	65	F	WNND	n/a	NO
08/19/08	RIVERSIDE	65	M	WNND	07/31/08	NO
08/20/08	RIVERSIDE	59	M	WNND	07/26/08	NO
08/20/08	RIVERSIDE	77	F	WNND	07/31/08	NO
08/20/08	RIVERSIDE	60	M	WNND	07/15/08	NO
08/20/08	SAN JOAQUIN	43	M	WNF	08/04/08	NO
08/20/08	SAN JOAQUIN	84	M	WNND	08/02/08	NO
08/20/08	SAN JOAQUIN	74	M	WNND	07/18/08	NO
08/20/08	ORANGE	57	M	WNF	Week 31	NO

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08/20/08	ORANGE	81	M	WNND	Week 31	NO
08/20/08	ORANGE	58	M	WNND	Week 29	NO
08/21/08	RIVERSIDE	36	F	WNND	07/28/08	NO
08/21/08	ORANGE	83	F	WNND	Week 31	NO
08/21/08	ORANGE	7	M	WNND	Week 32	NO
08/22/08	BUTTE	>18	M	WNF	07/31/08	NO

## Dead Birds and Tree Squirrels

County	City	Zip	Species	Reported	Tested	Test Method
Butte	Chico	95926	American Crow	8/8/08	8/18/08	RT-PCR
Butte	Oroville	95965	American Crow	8/6/08	8/18/08	RT-PCR
Butte	Paradise	95969	American Crow	8/7/08	8/18/08	RT-PCR
Calaveras	San Andreas	95249	Oak Titmouse	8/12/08	8/18/08	RT-PCR
Contra Costa	Antioch	94509	Fox Squirrel	8/8/08	8/20/08	RT-PCR
Contra Costa	Antioch	94509	Fox Squirrel	8/8/08	8/20/08	RT-PCR
Contra Costa	Antioch	94531	Western Scrub-Jay	8/5/08	8/18/08	RT-PCR
Contra Costa	Antioch	94531	American Crow	8/13/08	8/14/08	RAMP
Contra Costa	Antioch	94531	American Crow	8/18/08	8/19/08	RAMP
Contra Costa	Brentwood	94513	Northern Mockingbird	8/6/08	8/18/08	RT-PCR
Contra Costa	Oakley	94561	American Crow	8/19/08	8/19/08	RAMP
Contra Costa	Pittsburg	94565	House Finch	8/7/08	8/18/08	RT-PCR
Glenn	Orland	95963	Yellow-billed Magpie	8/8/08	8/18/08	RT-PCR
Glenn	Orland	95963	Western Scrub-Jay	8/12/08	8/18/08	RT-PCR
Los Angeles	Arcadia	91006	American Crow	8/5/08	8/18/08	RT-PCR
Los Angeles	Azusa	91702	American Crow	8/5/08	8/18/08	RT-PCR
Los Angeles	Cerritos	90703	American Crow	7/31/08	8/18/08	RT-PCR
Los Angeles	Cerritos	90703	American Crow	8/8/08	8/18/08	RT-PCR
Los Angeles	Chatsworth	91311	American Crow	8/8/08	8/18/08	RT-PCR
Los Angeles	Chatsworth	91311	American Crow	8/13/08	8/18/08	RT-PCR
Los Angeles	Covina	91722	American Crow	8/6/08	8/18/08	RT-PCR
Los Angeles	Culver City	90230	American Crow	8/7/08	8/18/08	RT-PCR
Los Angeles	Downey	90242	American Crow	8/12/08	8/18/08	RT-PCR
Los Angeles	El Monte	91731	American Crow	8/7/08	8/18/08	RT-PCR
Los Angeles	Hacienda Heights	91745	House Finch	8/6/08	8/18/08	RT-PCR
Los Angeles	La Mirada	90638	American Crow	8/6/08	8/18/08	RT-PCR
Los Angeles	Lakewood	90713	American Crow	8/11/08	8/18/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	8/5/08	8/18/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	8/6/08	8/18/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	8/7/08	8/18/08	RT-PCR
Los Angeles	Long Beach	90815	American Crow	8/7/08	8/18/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	8/8/08	8/18/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	8/9/08	8/18/08	RT-PCR
Los Angeles	Long Beach	90807	American Crow	8/11/08	8/18/08	RT-PCR
Los Angeles	Long Beach	90803	American Crow	8/11/08	8/18/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	8/12/08	8/18/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	8/12/08	8/18/08	RT-PCR

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Los Angeles	Long Beach	90808	American Crow	8/12/08	8/18/08	RT-PCR
Los Angeles	Los Angeles	90036	American Crow	8/10/08	8/18/08	RT-PCR
Los Angeles	Los Angeles	90007	American Crow	8/10/08	8/18/08	RT-PCR
Los Angeles	Los Angeles	90046	American Crow	8/11/08	8/18/08	RT-PCR
Los Angeles	Lynwood	90262	American Crow	8/8/08	8/18/08	RT-PCR
Los Angeles	Monrovia	91016	American Crow	8/11/08	8/18/08	RT-PCR
Los Angeles	Rancho Palos Verdes	90275	American Crow	8/12/08	8/18/08	RT-PCR
Los Angeles	Rolling Hills Estates	90274	American Crow	8/19/08	8/19/08	VecTest
Los Angeles	Santa Fe Springs	90670	American Crow	8/7/08	8/18/08	RT-PCR
Los Angeles	Whittier	90603	American Crow	8/7/08	8/18/08	RT-PCR
Los Angeles	Whittier	90602	American Crow	8/13/08	8/18/08	RT-PCR
Los Angeles	Woodland Hills	91367	American Crow	8/7/08	8/18/08	RT-PCR
Orange	Anaheim	92802	American Crow	8/11/08	8/15/08	RT-PCR
Orange	Anaheim	92805	American Crow	8/12/08	8/15/08	RT-PCR
Orange	Anaheim	92801	American Crow	8/11/08	8/15/08	RT-PCR
Orange	Brea	92821	American Crow	8/14/08	8/15/08	RT-PCR
Orange	Costa Mesa	92627	American Crow	8/5/08	8/18/08	RT-PCR
Orange	Costa Mesa	92626	House Finch	8/10/08	8/15/08	RT-PCR
Orange	Costa Mesa	92627	American Crow	8/12/08	8/15/08	RT-PCR
Orange	Costa Mesa	92627	American Crow	8/14/08	8/15/08	RT-PCR
Orange	Fountain Valley	92708	American Crow	8/7/08	8/13/08	RT-PCR
Orange	Fullerton	92821	American Crow	8/11/08	8/15/08	RT-PCR
Orange	Fullerton	92821	American Crow	8/4/08	8/7/08	RT-PCR
Orange	Garden Grove	92841	American Crow	8/11/08	8/15/08	RT-PCR
Orange	Huntington Beach	92647	American Crow	8/7/08	8/13/08	RT-PCR
Orange	Huntington Beach	92647	American Crow	8/7/08	8/13/08	RT-PCR
Orange	Huntington Beach	92649	American Crow	8/8/08	8/13/08	RT-PCR
Orange	Huntington Beach	92647	House Finch	8/8/08	8/13/08	RT-PCR
Orange	Huntington Beach	92647	American Crow	8/11/08	8/15/08	RT-PCR
Orange	Huntington Beach	92648	American Crow	8/12/08	8/15/08	RT-PCR
Orange	Ladera Ranch	92694	American Crow	8/8/08	8/13/08	RT-PCR
Orange	Lake Forest	92630	American Crow	8/6/08	8/13/08	RT-PCR
Orange	Mission Viejo	92691	American Crow	8/12/08	8/15/08	RT-PCR
Orange	Mission Viejo	92691	American Crow	8/12/08	8/15/08	RT-PCR
Orange	Newport Beach	92660	Common Raven	8/13/08	8/18/08	RT-PCR
Orange	Orange	92866	American Crow	8/7/08	8/13/08	RT-PCR
Orange	Orange	92869	American Crow	8/12/08	8/15/08	RT-PCR
Orange	Placentia	92870	American Crow	8/11/08	8/15/08	RT-PCR
Orange	Rossmore	90720	American Crow	8/11/08	8/13/08	RT-PCR
Orange	San Clemente	92672	House Finch	8/8/08	8/18/08	RT-PCR
Orange	Santa Ana	92703	American Crow	8/7/08	8/13/08	RT-PCR
Orange	Santa Ana	92705	American Crow	8/12/08	8/15/08	RT-PCR
Orange	Tustin	92708	American Crow	8/7/08	8/13/08	RT-PCR
Orange	Tustin	92780	American Crow	8/11/08	8/13/08	RT-PCR
Orange	Tustin	92780	American Crow	8/11/08	8/15/08	RT-PCR
Orange	Westminster	92683	American Crow	8/11/08	8/15/08	RT-PCR
Orange	Yorbalinda	92887	American Crow	8/12/08	8/15/08	RT-PCR
Riverside	Beaumont	92223	American Crow	8/7/08	8/18/08	RT-PCR
Riverside	Nuevo	92567	American Crow	8/12/08	8/18/08	RT-PCR
Riverside	Riverside	92508	Parrot	8/6/08	8/18/08	RT-PCR

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Riverside	Riverside	92508	American Crow	8/11/08	8/18/08	RT-PCR
Riverside	Riverside	92506	American Crow	8/12/08	8/18/08	RT-PCR
Sacramento	Citrus Heights	95610	American Crow	8/9/08	8/18/08	RT-PCR
Sacramento	Citrus Heights	95610	American Crow	8/13/08	8/18/08	RT-PCR
Sacramento	Sacramento	95821	Yellow-billed Magpie	8/7/08	8/18/08	RT-PCR
Sacramento	Sacramento	95818	American Crow	8/8/08	8/18/08	RT-PCR
Sacramento	Sacramento	95818	American Crow	8/8/08	8/18/08	RT-PCR
Sacramento	Sacramento	95838	Western Scrub-Jay	8/11/08	8/18/08	RT-PCR
Sacramento	Sacramento	95819	American Crow	8/12/08	8/18/08	RT-PCR
San Bernardino	Alta Loma	91701	American Crow	8/18/08	8/18/08	RAMP
San Bernardino	Chino	91710	American Crow	7/9/08	7/9/08	RAMP
San Bernardino	Chino	91710	American Crow	8/14/08	8/14/08	RAMP
San Bernardino	Chino	91710	American Crow	8/15/08	8/15/08	RAMP
San Bernardino	Chino	91710	American Crow	8/19/08	8/19/08	RAMP
San Bernardino	Chino	91710	American Crow	8/19/08	8/19/08	RAMP
San Bernardino	Chino	91710	American Crow	8/19/08	8/19/08	RAMP
San Bernardino	Chino	91710	American Crow	8/20/08	8/20/08	RAMP
San Bernardino	Chino	91710	American Crow	8/20/08	8/20/08	RAMP
San Bernardino	Chino	91710	American Crow	8/19/08	8/19/08	RAMP
San Bernardino	Chino Hills	91709	American Crow	8/14/08	8/14/08	RAMP
San Bernardino	Crestline	92325	Western Gray Squirrel	8/1/08	8/20/08	RT-PCR
San Bernardino	Forest Falls	92339	Steller's Jay	8/5/08	8/18/08	RT-PCR
San Bernardino	Ontario	91761	American Crow	8/13/08	8/13/08	RAMP
San Bernardino	Ontario	91761	American Crow	8/13/08	8/13/08	RAMP
San Bernardino	Ontario	91764	American Crow	8/14/08	8/14/08	RAMP
San Bernardino	Ontario	91764	American Crow	8/14/08	8/14/08	RAMP
San Bernardino	Ontario	91764	American Crow	8/14/08	8/14/08	RAMP
San Bernardino	Ontario	91762	American Crow	8/15/08	8/15/08	RAMP
San Bernardino	Ontario	91761	American Crow	8/19/08	8/19/08	RAMP
San Bernardino	Rancho Cucamonga	91737	American Crow	8/19/08	8/19/08	VecTest
San Bernardino	Rancho Cucamonga	91701	House Sparrow	8/8/08	8/18/08	RT-PCR
San Bernardino	Rancho Cucamonga	91701	American Crow	8/14/08	8/14/08	RAMP
San Bernardino	Redlands	92373	Northern Mockingbird	8/11/08	8/18/08	RT-PCR
San Bernardino	San Bernardino	92415	American Crow	8/7/08	8/18/08	RT-PCR
San Bernardino	Upland	91786	American Crow	8/6/08	8/18/08	RT-PCR
San Diego	Bonita	91902	American Crow	8/13/08	8/13/08	RT-PCR
San Diego	Bonita	91902	American Crow	8/14/08	8/14/08	RT-PCR
San Diego	Cardiff By The Sea	92007	American Crow	8/13/08	8/13/08	RT-PCR
San Diego	Del Mar	92014	American Crow	8/12/08	8/12/08	RT-PCR
San Diego	Dulzura	91917	Western Scrub-Jay	8/15/08	8/15/08	RT-PCR
San Diego	Encinitas	92024	American Crow	8/8/08	8/8/08	RT-PCR
San Diego	Escondido	92027	American Crow	8/11/08	8/11/08	RT-PCR
San Diego	Escondido	92025	Western Scrub-Jay	8/12/08	8/14/08	RT-PCR
San Diego	Julian	92036	Steller's Jay	8/13/08	8/13/08	RT-PCR
San Diego	La Jolla	92037	American Crow	8/11/08	8/11/08	RT-PCR
San Diego	Oceanside	92057	Common Raven	6/22/08	6/25/08	RT-PCR
San Diego	Oceanside	92056	American Crow	8/11/08	8/11/08	RT-PCR
San Diego	Oceanside	92057	American Crow	8/11/08	8/11/08	RT-PCR
San Diego	Oceanside	92057	American Crow	8/11/08	8/11/08	RT-PCR
San Diego	Oceanside	92057	American Crow	8/14/08	8/14/08	RT-PCR

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San Diego	Pauma Valley	92061	Steller's Jay	8/14/08	8/14/08	RT-PCR
San Diego	Poway	92064	American Crow	8/11/08	8/11/08	RT-PCR
San Diego	Poway	92064	American Crow	8/13/08	8/13/08	RT-PCR
San Diego	Ramona	92065	American Crow	8/15/08	8/15/08	RT-PCR
San Diego	Ramona	92065	American Crow	8/15/08	8/15/08	RT-PCR
San Diego	San Diego	92126	American Crow	8/8/08	8/8/08	RT-PCR
San Diego	San Diego	92123	American Crow	8/8/08	8/8/08	RT-PCR
San Diego	San Diego	92131	American Crow	8/11/08	8/11/08	RT-PCR
San Diego	San Diego	92130	American Crow	8/11/08	8/11/08	RT-PCR
San Diego	San Diego	92130	American Crow	8/11/08	8/11/08	RT-PCR
San Diego	San Diego	92109	American Crow	8/12/08	8/12/08	RT-PCR
San Diego	San Diego	92121	American Crow	8/13/08	8/13/08	RT-PCR
San Diego	San Diego	92109	American Crow	8/14/08	8/14/08	RT-PCR
San Diego	San Diego	92110	American Crow	8/14/08	8/14/08	RT-PCR
San Diego	San Diego	92139	American Crow	8/14/08	8/14/08	RT-PCR
San Diego	San Diego	92104	American Crow	8/14/08	8/14/08	RT-PCR
San Diego	San Diego	92139	American Crow	8/14/08	8/14/08	RT-PCR
San Diego	San Diego	92110	American Crow	8/14/08	8/11/08	RT-PCR
San Diego	Vista	92081	American Crow	8/12/08	8/12/08	RT-PCR
San Diego	Vista	92081	Mourning Dove	8/13/08	8/13/08	RT-PCR
San Diego	Vista	92084	Red-shouldered Hawk	8/14/08	8/14/08	RT-PCR
San Joaquin	Stockton	95219	American Crow	8/14/08	8/14/08	RAMP
Santa Clara	Saratoga	95070	Sharp-shinned Hawk	7/31/08	8/18/08	RT-PCR
Sonoma	Windsor	95492	Western Scrub-Jay	8/5/08	8/18/08	RT-PCR
Tehama	Red Bluff	96080	Western Scrub-Jay	8/12/08	8/18/08	RT-PCR
Tehama	Red Bluff	96080	Yellow-billed Magpie	8/13/08	8/18/08	RT-PCR

## Mosquito Pools

Site Code	Pool #	Species	# in Pool	Collected	Tested	City	County	Result
ALCO8075	82	Cx tarsalis	8	8/12/2008	8/22/2008	Fremont	Alameda	WNV
BUCO0013	48	Cx tarsalis	50	8/13/2008	8/18/2008	Chico	Butte	WNV
BUCO0013	55	Cx tarsalis	50	8/13/2008	8/18/2008	Chico	Butte	WNV
BUCO0112	40	Cx tarsalis	56	8/11/2008	8/18/2008	Wyandotte	Butte	WNV
CNSL1564	454	Cx quinquefasciatus	50	8/14/2008	8/21/2008	Clovis	Fresno	WNV
CNSL2134	461	Cx tarsalis	18	8/15/2008	8/21/2008	Sanger	Fresno	WNV
CNSL2281	442	Cx quinquefasciatus	50	8/7/2008	8/20/2008	Sanger	Fresno	WNV
CNSL2292	450	Cx quinquefasciatus	28	8/12/2008	8/20/2008	Del Rey	Fresno	WNV
CNTR1460	336	Cx pipiens	12	8/14/2008	8/14/2008	Antioch	Contra Costa	WNV
CNTR1723	391	Cx tarsalis	14	8/21/2008	8/21/2008	Antioch	Contra Costa	WNV
CNTR1746	395	Cx tarsalis	17	8/21/2008	8/21/2008	Antioch	Contra Costa	WNV
CNTR1747	388	Cx tarsalis	26	8/21/2008	8/21/2008	Antioch	Contra Costa	WNV
CNTR1792	386	Cx tarsalis	13	8/21/2008	8/21/2008	Brentwood	Contra Costa	WNV
CNTR7311	361	Cx tarsalis	22	8/18/2008	8/22/2008	Oakley	Contra Costa	WNV
CNTR9223	371	Cx tarsalis	10	8/18/2008	8/22/2008	Antioch	Contra Costa	WNV
COAV0203	1484	Cx quinquefasciatus	41	8/13/2008	8/22/2008	Palm Desert	Riverside	WNV
COAV5001	1488	Cx tarsalis	50	8/12/2008	8/21/2008	Niland	Imperial	WNV
COAV5001	1489	Cx tarsalis	50	8/12/2008	8/21/2008	Niland	Imperial	WNV

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COAV5001	1490	Cx tarsalis	50	8/12/2008	8/21/2008	Niland	Imperial	WNV
COAV5001	1493	Cx tarsalis	50	8/12/2008	8/21/2008	Niland	Imperial	WNV
COAV5002	1494	Cx tarsalis	50	8/12/2008	8/21/2008	Niland	Imperial	WNV
COAV5002	1496	Cx tarsalis	31	8/12/2008	8/22/2008	Niland	Imperial	WNV
DAVI5124	338	Cx tarsalis	50	8/15/2008	8/20/2008	Woodland	Yolo	WNV
DAVI5124	339	Cx tarsalis	50	8/15/2008	8/20/2008	Woodland	Yolo	WNV
DAVI5126	343	Cx pipiens	50	8/15/2008	8/20/2008	Davis	Yolo	WNV
DLTA7315	353	Cx quinquefasciatus	50	8/19/2008	8/22/2008	Traver	Tulare	WNV
DLTA7322	335	Cx quinquefasciatus	50	8/19/2008	8/21/2008	Kingsburg	Tulare	WNV
DLTA7322	348	Cx quinquefasciatus	50	8/19/2008	8/22/2008	Kingsburg	Tulare	WNV
DLTA7322	349	Cx quinquefasciatus	50	8/19/2008	8/22/2008	Kingsburg	Tulare	WNV
DLTA9401	320	Cx quinquefasciatus	22	8/15/2008	8/21/2008	Visalia	Tulare	WNV
DLTA9403	326	Cx quinquefasciatus	50	8/19/2008	8/21/2008	Visalia	Tulare	WNV
DLTA9404	321	Cx quinquefasciatus	50	8/19/2008	8/21/2008	Goshen	Tulare	WNV
DLTA9406	332	Cx quinquefasciatus	28	8/19/2008	8/22/2008	Visalia	Tulare	WNV
FRNO0012	30	Cx tarsalis	25	8/19/2008	8/21/2008	Fresno	Fresno	WNV
GRLA2113	970	Cx quinquefasciatus	45	8/14/2008	8/21/2008	Los Angeles	Los Angeles	WNV
GRLA2115	972	Cx quinquefasciatus	50	8/14/2008	8/22/2008	Bell	Los Angeles	WNV
GRLA2116	967	Cx quinquefasciatus	11	8/14/2008	8/22/2008	Bell	Los Angeles	WNV
GRLA2119	961	Cx quinquefasciatus	22	8/14/2008	8/22/2008	Long Beach	Los Angeles	WNV
GRLA2119	962	Cx quinquefasciatus	50	8/14/2008	8/21/2008	Long Beach	Los Angeles	WNV
GRLA2182	926	Cx quinquefasciatus	27	8/7/2008	8/20/2008	Pico Rivera	Los Angeles	WNV
GRLA2268	901	Cx quinquefasciatus	50	8/7/2008	8/20/2008	Cerritos	Los Angeles	WNV
GRLA2359	859	Cx quinquefasciatus	33	8/5/2008	8/20/2008	Pico Rivera	Los Angeles	WNV
GRLA2414	5676	Cx quinquefasciatus	50	8/14/2008	8/22/2008	Granada Hills	Los Angeles	WNV
GRLA2414	5677	Cx quinquefasciatus	50	8/14/2008	8/21/2008	Granada Hills	Los Angeles	WNV
GRLA2414	5678	Cx quinquefasciatus	32	8/14/2008	8/22/2008	Granada Hills	Los Angeles	WNV
GRLA2416	5685	Cx quinquefasciatus	46	8/14/2008	8/21/2008	Panorama City	Los Angeles	WNV
GRLA2418	5683	Cx quinquefasciatus	22	8/14/2008	8/22/2008	Panorama City	Los Angeles	WNV
GRLA2419	5684	Cx quinquefasciatus	37	8/14/2008	8/21/2008	Panorama City	Los Angeles	WNV
GRLA2420	5681	Cx quinquefasciatus	25	8/14/2008	8/21/2008	Panorama City	Los Angeles	WNV
GRLA2421	5680	Cx quinquefasciatus	36	8/14/2008	8/21/2008	Panorama City	Los Angeles	WNV
GRLA2503	5627	Cx quinquefasciatus	32	8/7/2008	8/20/2008	Los Angeles	Los Angeles	WNV
GRLA2511	5630	Cx quinquefasciatus	50	8/7/2008	8/20/2008	Los Angeles	Los Angeles	WNV
GRLA2643	5603	Cx quinquefasciatus	18	8/5/2008	8/20/2008	Encino	Los Angeles	WNV
GRLA2650	5577	Cx quinquefasciatus	50	8/5/2008	8/20/2008	Encino	Los Angeles	WNV
GRLA2651	5582	Cx quinquefasciatus	39	8/5/2008	8/20/2008	Encino	Los Angeles	WNV
GRLA2669	5664	Cx quinquefasciatus	31	8/14/2008	8/21/2008	Granada Hills	Los Angeles	WNV
GRLA2669	5665	Cx stigmatosoma	11	8/14/2008	8/21/2008	Granada Hills	Los Angeles	WNV
GRLA2669	5687	Cx tarsalis	11	8/14/2008	8/22/2008	Granada Hills	Los Angeles	WNV
GRLA2671	5668	Cx quinquefasciatus	39	8/14/2008	8/22/2008	Granada Hills	Los Angeles	WNV
GRLA2671	5669	Cx quinquefasciatus	22	8/14/2008	8/21/2008	Granada Hills	Los Angeles	WNV
GRLA2675	5673	Cx quinquefasciatus	34	8/14/2008	8/21/2008	Granada Hills	Los Angeles	WNV
GRLA2675	5674	Cx stigmatosoma	42	8/14/2008	8/21/2008	Granada Hills	Los Angeles	WNV
GRLA2779	976	Cx quinquefasciatus	18	8/14/2008	8/22/2008	Norwalk	Los Angeles	WNV
GRLA2800	977	Cx quinquefasciatus	50	8/14/2008	8/21/2008	Long Beach	Los Angeles	WNV
GRLA2849	5691	Cx quinquefasciatus	34	8/14/2008	8/21/2008	Panorama City	Los Angeles	WNV
GRLA2952	957	Cx quinquefasciatus	22	8/14/2008	8/22/2008	LA County	Los Angeles	WNV
GRLA2954	958	Cx quinquefasciatus	20	8/14/2008	8/21/2008	Cerritos	Los Angeles	WNV
GRLA2954	959	Cx quinquefasciatus	42	8/14/2008	8/21/2008	Cerritos	Los Angeles	WNV



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GRLA2955	955	Cx quinquefasciatus	50	8/14/2008	8/21/2008	Cerritos	Los Angeles	WNV
GRLA2955	956	Cx quinquefasciatus	16	8/14/2008	8/22/2008	Cerritos	Los Angeles	WNV
GRLA2957	953	Cx quinquefasciatus	50	8/14/2008	8/21/2008	Hawaiian Gardens	Los Angeles	WNV
GRLA2957	954	Cx quinquefasciatus	38	8/14/2008	8/21/2008	Hawaiian Gardens	Los Angeles	WNV
LAKE1101	155	Cx tarsalis	50	8/18/2008	8/22/2008	Nice	Lake	WNV
LONG0802	259	Cx quinquefasciatus	13	8/19/2008	8/21/2008	Long Beach	Los Angeles	WNV
ORCO24	29	Cx erythrothorax	58	3/12/2008	3/12/2008	Mission Viejo	Orange	WNV
ORCO45	22	Cx erythrothorax	36	3/6/2008	3/6/2008	Rancho St Margarita	Orange	WNV
ORCO58	21	Cx quinquefasciatus	7	3/5/2008	3/5/2008	Laguna Niguel	Orange	WNV
ORCO8	20	Cx erythrothorax	48	3/4/2008	3/4/2008	Huntington Beach	Orange	WNV
PLCR0033	676	Cx tarsalis	50	8/20/2008	8/21/2008	Lincoln	Placer	WNV
PLCR0155	651	Cx tarsalis	50	8/14/2008	8/21/2008	Sheridan	Placer	WNV
PLCR0515	669	Cx tarsalis	33	8/19/2008	8/21/2008	Roseville	Placer	WNV
RIVR0038	567	Cx tarsalis	50	8/20/2008	8/22/2008	Hemet	Riverside	WNV
RIVR0039	558	Cx tarsalis	50	8/19/2008	8/22/2008	Moreno Valley	Riverside	WNV
RIVR0052	556	Cx tarsalis	36	8/19/2008	8/22/2008	Moreno Valley	Riverside	WNV
RIVR0056	561	Cx tarsalis	11	8/19/2008	8/22/2008	Moreno Valley	Riverside	WNV
SANB0002	264	Cx quinquefasciatus	20	8/5/2008	8/22/2008	Redlands	San Bernardino	WNV
SANB0004	262	Cx quinquefasciatus	50	8/7/2008	8/18/2008	San Bernadino	San Bernardino	WNV
SANB0010	255	Cx tarsalis	15	8/7/2008	8/18/2008	Rialto	San Bernardino	WNV
SANB0010	256	Cx quinquefasciatus	50	8/7/2008	8/22/2008	Rialto	San Bernardino	WNV
SANB0026	175	Cx tarsalis	5	7/30/2008	8/22/2008	San Bernardino	San Bernardino	WNV
SAND0129	109	Cx quinquefasciatus	40	8/15/2008	8/22/2008	Chula Vista	San Diego	WNV
SAYO2211	6167	Cx pipiens	45	8/14/2008	8/14/2008	Sacramento	Sacramento	WNV
SAYO2211	6168	Cx tarsalis	50	8/14/2008	8/14/2008	Sacramento	Sacramento	WNV
SAYO2211	6294	Cx tarsalis	50	8/19/2008	8/19/2008	Sacramento	Sacramento	WNV
SAYO2213	6053	Cx tarsalis	50	8/13/2008	8/13/2008	Elk Grove	Sacramento	WNV
SAYO2213	6054	Cx tarsalis	3	8/13/2008	8/13/2008	Elk Grove	Sacramento	WNV
SAYO2213	6059	Cx tarsalis	11	8/13/2008	8/13/2008	Elk Grove	Sacramento	WNV
SAYO2213	6330	Cx pipiens	15	8/19/2008	8/19/2008	Elk Grove	Sacramento	WNV
SAYO2213	6331	Cx tarsalis	50	8/19/2008	8/19/2008	Elk Grove	Sacramento	WNV
SAYO2213	6332	Cx tarsalis	50	8/19/2008	8/19/2008	Elk Grove	Sacramento	WNV
SAYO2213	6333	Cx tarsalis	50	8/19/2008	8/19/2008	Elk Grove	Sacramento	WNV
SAYO2213	6335	Cx tarsalis	50	8/19/2008	8/19/2008	Elk Grove	Sacramento	WNV
SAYO2213	6338	Cx pipiens	50	8/19/2008	8/19/2008	Elk Grove	Sacramento	WNV
SAYO2213	6340	Cx pipiens	29	8/19/2008	8/19/2008	Elk Grove	Sacramento	WNV
SAYO4116	6105	Cx pipiens	25	8/14/2008	8/14/2008	Elverta	Sacramento	WNV
SAYO4126	6111	Cx pipiens	2	8/14/2008	8/14/2008	Antelope	Sacramento	WNV
SAYO4126	6115	Cx pipiens	50	8/14/2008	8/14/2008	Antelope	Sacramento	WNV
SAYO4126	6268	Cx tarsalis	34	8/19/2008	8/19/2008	Antelope	Sacramento	WNV
SAYO4126	6269	Cx pipiens	49	8/19/2008	8/19/2008	Antelope	Sacramento	WNV
SAYO4128	6110	Cx pipiens	33	8/14/2008	8/14/2008	Sacramento	Sacramento	WNV
SAYO4136	6092	Cx pipiens	7	8/14/2008	8/14/2008	Fair Oaks	Sacramento	WNV
SAYO4215	6007	Cx pipiens	34	8/13/2008	8/13/2008	Sacramento	Sacramento	WNV
SAYO4215	6010	Cx pipiens	50	8/13/2008	8/13/2008	Sacramento	Sacramento	WNV
SAYO4220	6024	Cx pipiens	42	8/13/2008	8/13/2008	Rancho Cordova	Sacramento	WNV
SAYO4223	6210	Cx pipiens	25	8/15/2008	8/15/2008	Sacramento	Sacramento	WNV
SAYO4223	6215	Cx tarsalis	45	8/15/2008	8/15/2008	Sacramento	Sacramento	WNV
SAYO4250	6250	Cx tarsalis	50	8/15/2008	8/15/2008	Sacramento	Sacramento	WNV
SAYO4254	6229	Cx pipiens	32	8/15/2008	8/15/2008	Elk Grove	Sacramento	WNV

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SAYO4260	6027	Cx pipiens	37	8/13/2008	8/13/2008	Elk Grove	Sacramento	WNV
SAYO4260	6031	Cx tarsalis	50	8/13/2008	8/13/2008	Elk Grove	Sacramento	WNV
SAYO4260	6032	Cx tarsalis	50	8/13/2008	8/13/2008	Elk Grove	Sacramento	WNV
SAYO4260	6033	Cx tarsalis	50	8/13/2008	8/13/2008	Elk Grove	Sacramento	WNV
SAYO4260	6034	Cx tarsalis	50	8/13/2008	8/13/2008	Elk Grove	Sacramento	WNV
SAYO4260	6035	Cx tarsalis	33	8/13/2008	8/13/2008	Elk Grove	Sacramento	WNV
SAYO4260	6038	Cx pipiens	50	8/13/2008	8/13/2008	Elk Grove	Sacramento	WNV
SAYO4260	6039	Cx pipiens	45	8/13/2008	8/13/2008	Elk Grove	Sacramento	WNV
SAYO4260	6304	Cx tarsalis	50	8/19/2008	8/19/2008	Elk Grove	Sacramento	WNV
SAYO4264	6153	Cx pipiens	50	8/14/2008	8/14/2008	Sacramento	Sacramento	WNV
SAYO4264	6154	Cx pipiens	50	8/14/2008	8/14/2008	Sacramento	Sacramento	WNV
SAYO4264	6159	Cx pipiens	50	8/14/2008	8/14/2008	Sacramento	Sacramento	WNV
SAYO4268	6146	Cx pipiens	50	8/14/2008	8/14/2008	Sacramento	Sacramento	WNV
SAYO4268	6147	Cx pipiens	50	8/14/2008	8/14/2008	Sacramento	Sacramento	WNV
SAYO4270	6197	Cx pipiens	3	8/14/2008	8/14/2008	Elk Grove	Sacramento	WNV
SAYO4362	6044	Cx tarsalis	4	8/13/2008	8/13/2008	Galt	Sacramento	WNV
SAYO7000	6388	Cx pipiens	21	8/19/2008	8/19/2008	Elk Grove	Sacramento	WNV
SAYO7004	6394	Cx pipiens	1	8/19/2008	8/19/2008	Elverta	Sacramento	WNV
SJCM8005	1277	Cx tarsalis	6	8/21/2008	8/21/2008	Stockton	San Joaquin	WNV
SJCM8018	1245	Cx tarsalis	36	8/19/2008	8/19/2008	El Rancho	San Joaquin	WNV
SJCM8022	1267	Cx tarsalis	26	8/21/2008	8/21/2008	Holt	San Joaquin	WNV
SJCM8026	1297	Cx tarsalis	29	8/21/2008	8/21/2008	Stockton	San Joaquin	WNV
SJCM8029	1322	Cx pipiens	50	8/21/2008	8/21/2008	Farmington	San Joaquin	WNV
SJCM8037	1282	Cx pipiens	29	8/21/2008	8/21/2008	Lathrop	San Joaquin	WNV
SJCM8056	1152	Cx pipiens	50	8/14/2008	8/14/2008	Manteca	San Joaquin	WNV
SJCM8056	1286	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8079	1252	Cx tarsalis	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8079	1256	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8079	1257	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8079	1262	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8083	1289	Cx tarsalis	29	8/21/2008	8/21/2008	Escalon	San Joaquin	WNV
SJCM8083	1290	Cx pipiens	50	8/21/2008	8/21/2008	Escalon	San Joaquin	WNV
SJCM8083	1291	Cx pipiens	50	8/21/2008	8/21/2008	Escalon	San Joaquin	WNV
SJCM8083	1292	Cx pipiens	50	8/21/2008	8/21/2008	Escalon	San Joaquin	WNV
SJCM8083	1293	Cx pipiens	13	8/21/2008	8/21/2008	Escalon	San Joaquin	WNV
SJCM8114	1280	Cx pipiens	20	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8154	1134	Cx tarsalis	50	8/13/2008	8/13/2008	Lathrop	San Joaquin	WNV
SJCM8155	1236	Cx pipiens	19	8/19/2008	8/19/2008	Manteca	San Joaquin	WNV
SJCM8156	1337	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8157	1347	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8157	1348	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8157	1352	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8157	1355	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8157	1356	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8157	1357	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8157	1358	Cx pipiens	34	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8158	1341	Cx tarsalis	12	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8158	1343	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8158	1344	Cx pipiens	50	8/21/2008	8/21/2008	Manteca	San Joaquin	WNV
SJCM8159	1361	Cx pipiens	50	8/22/2008	8/22/2008	Stockton	San Joaquin	WNV

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SJCM8159	1363	Cx pipiens	23	8/22/2008	8/22/2008	Stockton	San Joaquin	WNV
TRLK0526	1132	Cx pipiens	28	8/12/2008	8/20/2008	Denair	Stanislaus	WNV
TRLK0526	1260	Cx tarsalis	13	8/15/2008	8/21/2008	Denair	Stanislaus	WNV
TRLK0538	1264	Cx pipiens	50	8/15/2008	8/22/2008	hughson	Stanislaus	WNV
TRLK0538	1265	Cx pipiens	50	8/15/2008	8/22/2008	hughson	Stanislaus	WNV
TRLK0619	1268	Cx tarsalis	2	8/19/2008	8/22/2008	Turlock	Stanislaus	WNV
WVAL2002	908	Cx quinquefasciatus	25	8/20/2008	8/20/2008	Chino Hills	San Bernardino	WNV
WVAL2004	911	Cx tarsalis	49	8/20/2008	8/20/2008	Chino	San Bernardino	WNV
WVAL2004	912	Cx quinquefasciatus	50	8/20/2008	8/20/2008	Chino	San Bernardino	WNV
WVAL2005	914	Cx quinquefasciatus	50	8/20/2008	8/20/2008	Chino	San Bernardino	WNV
WVAL2007	856	Cx quinquefasciatus	50	8/19/2008	8/19/2008	Ontario	San Bernardino	WNV
WVAL2018	934	Cx quinquefasciatus	5	8/21/2008	8/21/2008	Chino	San Bernardino	WNV
WVAL5004	873	Cx quinquefasciatus	19	8/19/2008	8/19/2008	Rancho Cucamonga	San Bernardino	WNV
WVAL5005	879	Cx quinquefasciatus	29	8/19/2008	8/19/2008	Rancho Cucamonga	San Bernardino	WNV
WVAL5005	883	Cx quinquefasciatus	25	8/19/2008	8/19/2008	Rancho Cucamonga	San Bernardino	WNV
WVAL5008	889	Cx stigmatosoma	5	8/19/2008	8/19/2008	Rancho Cucamonga	San Bernardino	WNV
WVAL5009	878	Cx quinquefasciatus	28	8/19/2008	8/19/2008	Rancho Cucamonga	San Bernardino	WNV
WVAL6003	870	Cx quinquefasciatus	25	8/19/2008	8/19/2008	Ontario	San Bernardino	WNV
WVAL6003	871	Cx quinquefasciatus	25	8/19/2008	8/19/2008	Ontario	San Bernardino	WNV
WVAL6003	872	Cx quinquefasciatus	27	8/19/2008	8/19/2008	Ontario	San Bernardino	WNV
WVAL6005	885	Cx quinquefasciatus	17	8/19/2008	8/19/2008	Ontario	San Bernardino	WNV
WVAL6005	886	Cx quinquefasciatus	17	8/19/2008	8/19/2008	Ontario	San Bernardino	WNV
WVAL6012	890	Cx quinquefasciatus	18	8/19/2008	8/19/2008	Ontario	San Bernardino	WNV
WVAL6012	892	Cx quinquefasciatus	25	8/19/2008	8/19/2008	Ontario	San Bernardino	WNV
WVAL6012	894	Cx quinquefasciatus	25	8/19/2008	8/19/2008	Ontario	San Bernardino	WNV
WVAL6012	895	Cx quinquefasciatus	25	8/19/2008	8/19/2008	Ontario	San Bernardino	WNV
WVAL7001	868	Cx quinquefasciatus	23	8/19/2008	8/19/2008	Montclair	San Bernardino	WNV

## Sentinel Chickens

Agency Code	County	Nearest City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04
COAV0201	Riverside	Thermal	7/28/2008	WNV	2247	2251		
COAV0201	Riverside	Thermal	8/11/2008	WNV	2254			
COAV0131	Riverside	Oasis	7/28/2008	WNV	2323	2330		
COAV0131	Riverside	Oasis	8/11/2008	WNV	2322	2326		
SANB0007	San Bernardino	Fontana	7/28/2008	WNV	1749			
SANB0007	San Bernardino	Fontana	8/11/2008	WNV	1748	1751		
ORCO0006	Orange	Irvine	7/29/2008	WNV	1440			
ORCO0006	Orange	Irvine	8/13/2008	WNV	1435	1438		
SUYA0014	Sutter	Sutter	8/7/2008	WNV	4984			
GRLA2223	Los Angeles	Rowland Heights	8/11/2008	WNV	3615			
COAV0035	Riverside	Mecca	8/11/2008	WNV	2303			
NWST0002	Riverside	Glen Ivy Hot Spring	8/13/2008	WNV	1371			
NWST9227	Riverside	High Grove	8/13/2008	WNV	1400	1403		
NWST9401	Riverside	Corona	8/13/2008	WNV	1409			

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NWST9401	Riverside	Corona	7/31/2008	WNV	1410	1413		
SANB0003	San Bernardino	Colton	8/11/2008	WNV	1715			
SANB0011	San Bernardino	Rialto	8/11/2008	WNV	1779	1784	1785	
LACW1007	Los Angeles	Baldwin Hills	7/31/2008	WNV	1066			
LACW1010	Los Angeles	Los Angeles	7/29/2008	WNV	1083			
SJCM9901	San Joaquin	Lodi	8/11/2008	WNV	1940			
SGVA0002	Los Angeles	Monterey Park	8/7/2008	WNV	1873	1874	1875	1876
SGVA0024	Los Angeles	Altadena	8/7/2008	WNV	1881			
SGVA0005	Los Angeles	Irwindale	8/7/2008	WNV	1889	1890	1891	1892
SGVA0009	Los Angeles	Walnut	8/7/2008	WNV	1909	1910	1911	1912
SAYO7000	Sacramento	Elk Grove	8/11/2008	WNV	1580	1583	1581	1582

## NATIONAL COMMENTS

As of August 19, 2008, 236 human cases had been reported nationwide this year in the following 28 states: Alabama (1), Arizona (5), Arkansas (5), California (73), Colorado (20), Connecticut (1), Idaho (8), Iowa (1), Louisiana (6), Michigan (1), Minnesota (10), Mississippi (33), Missouri (3), Nebraska (2), Nevada (2), New York (2), North Dakota (14), Ohio (1), Oklahoma (5), Oregon (3), Pennsylvania (1), South Dakota (14), Tennessee (6), Texas (14), Utah (2), West Virginia (1), Wisconsin (1) and Wyoming (1). Of the 236 individuals, 97 (41%) had neuroinvasive illness. Two fatalities have been reported in Arizona and Mississippi. At this time last year, 576 human cases had been reported nationwide.

## 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 by plaque reduction neutralization test (PRNT).

\*Human denominator data only includes specimens tested at VRDL and does not include additional negative specimens that are tested by local agencies only.

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### **Horses:**

Serum or brain tissue specimens from horses displaying neurological symptoms are submitted to the California Animal Health and Safety Laboratory (CAHFS) and tested by EIA and PRNT.

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### **Dead Birds and Tree Squirrels:**

All bird and tree squirrel species from all zip codes are currently being accepted for testing unless otherwise requested by a local agency. Additionally, doves, pigeons, and chickens are no longer be accepted for testing. Corvids that test positive via RAMP or VecTest are no longer confirmed. Dead birds and squirrels are necropsied at CAHFS laboratory at University of California, Davis. Oral swabs from American Crows and kidney tissue from all other dead birds and squirrels are forwarded to the UC Davis Center for Vectorborne Diseases (CVEC) for WNV testing using the singleplex RT-PCR Taqman assay and confirmed with a second primer set. The WNV Dead Bird Surveillance Coordinator, Erin Parker, can be reached directly at (510) 412-6254.

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### **Sentinel Chickens:**

Dried blood spot specimens from sentinel chickens are submitted to VBDS Laboratory and tested for the presence of antibodies to West Nile virus (WNV), western equine encephalomyelitis (WEE), and St. Louis encephalitis (SLE) viruses by EIA and IFA. Positive samples are confirmed by western-blot or PRNT.

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### **Mosquito Pools:**

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Mosquito pools are submitted to CVEC and screened for WEE, SLE, and WNV viral RNA using a Taqman multiplex RT-PCR. CVEC will cease confirmation testing on PCR-positive pools of *Cx. tarsalis* and *Cx. quinquefasciatus* but will continue to confirm multiplex PCR-positive results for other mosquito species using singleplex RT-PCR.

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*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 Stan Husted by phone (510) 412-6253, FAX (510) 412-6263, or email: [stan.husted@cdph.ca.gov](mailto:stan.husted@cdph.ca.gov)*

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