

Marin/Sonoma Mosquito & Vector Control District

2012 *Ixodes pacificus* tested for *Borrelia burgdorferi* by Real-Time PCR

Sonoma County:

	Annadel	Foot Hills	Hood Mountain	Jack London	Ragel Ranch	Shiloh Ranch	Spring Lake	Sugarloaf
No. of Nymphs Tested (Pools)	268 (34)	8 (3)	18 (5)	66 (11)	5 (1)	25 (4)	55 (6)	280 (38)
No. of Nymphal Pools Positive (MIR)	22 (8.2%)	0	1 (5.6%)	2 (3.0%)	0	1 (4.0%)	2 (3.6%)	15 (5.4%)
No. of Adults Tested (Pools)	305 (62)	n/a	1 (1)	169 (40)	n/a	n/a	94 (20)	92 (22)
No. of Adult Pools Positive (MIR)	12 (3.9%)	n/a	0	6 (3.6%)	n/a	n/a	2 (2.1%)	0

Marin County:

	China Camp	MMWD	Mt. Tamalpais
No. of Nymphs Tested (Pools)	135 (17)	544 (64)	20 (4)
No. of Nymphal Pools Positive (MIR)	1 (0.7%)	26 (4.8%)	0
No. of Adults Tested (Pools)	427 (93)	481 (114)	36 (12)
No. of Adult Pools Positive (MIR)	12 (2.8%)	10 (2.1%)	0

Marin & Sonoma Counties:

	Marin	Sonoma
No. of Nymphs Tested (Pools)	699 (85)	981 (133)
No. of Nymphal Pools Positive (MIR)	27 (3.9%)	46 (4.7%)
No. of Adults Tested (Pools)	944 (219)	664 (146)
No. of Adult Pools Positive (MIR)	22 (2.3%)	20 (3.0%)

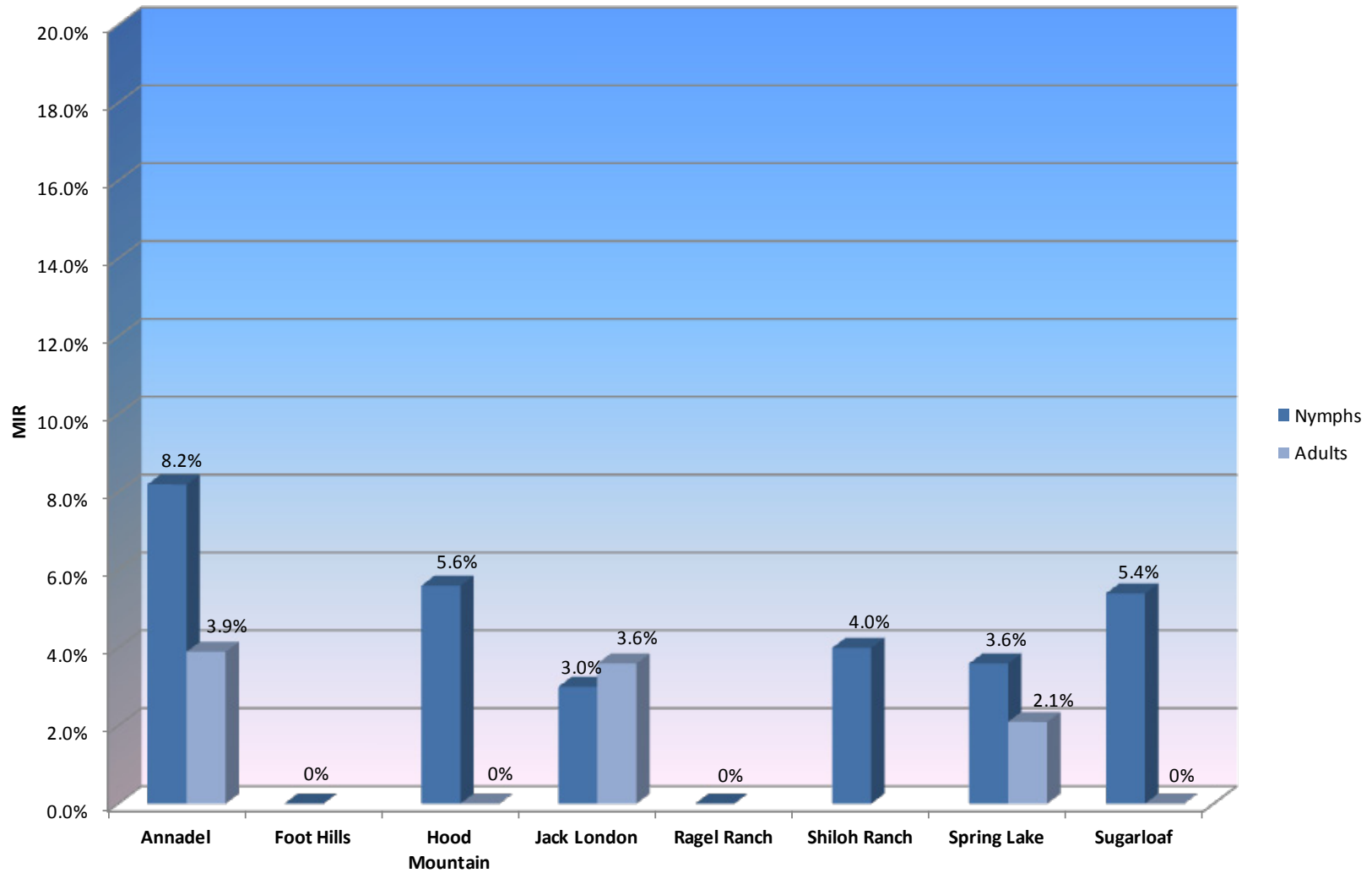
Minimum Infection Rate (MIR): the minimum percentage of infected ticks in a sample set. This percentage is calculated by $(\text{number of positive pools} / \text{total specimens tested}) \times 100$. The MIR uses the assumption that a positive pool contains only one infected tick.



Marin/Sonoma Mosquito & Vector Control District
595 Helman Lane, Cotati Ca 94931
1.800.231.3236 or 707.285.2200
www.msosquito.com

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2012 Minimum Infection Rates (MIR)* of *Ixodes pacificus* tested for *Borrelia burgdorferi* in Sonoma County



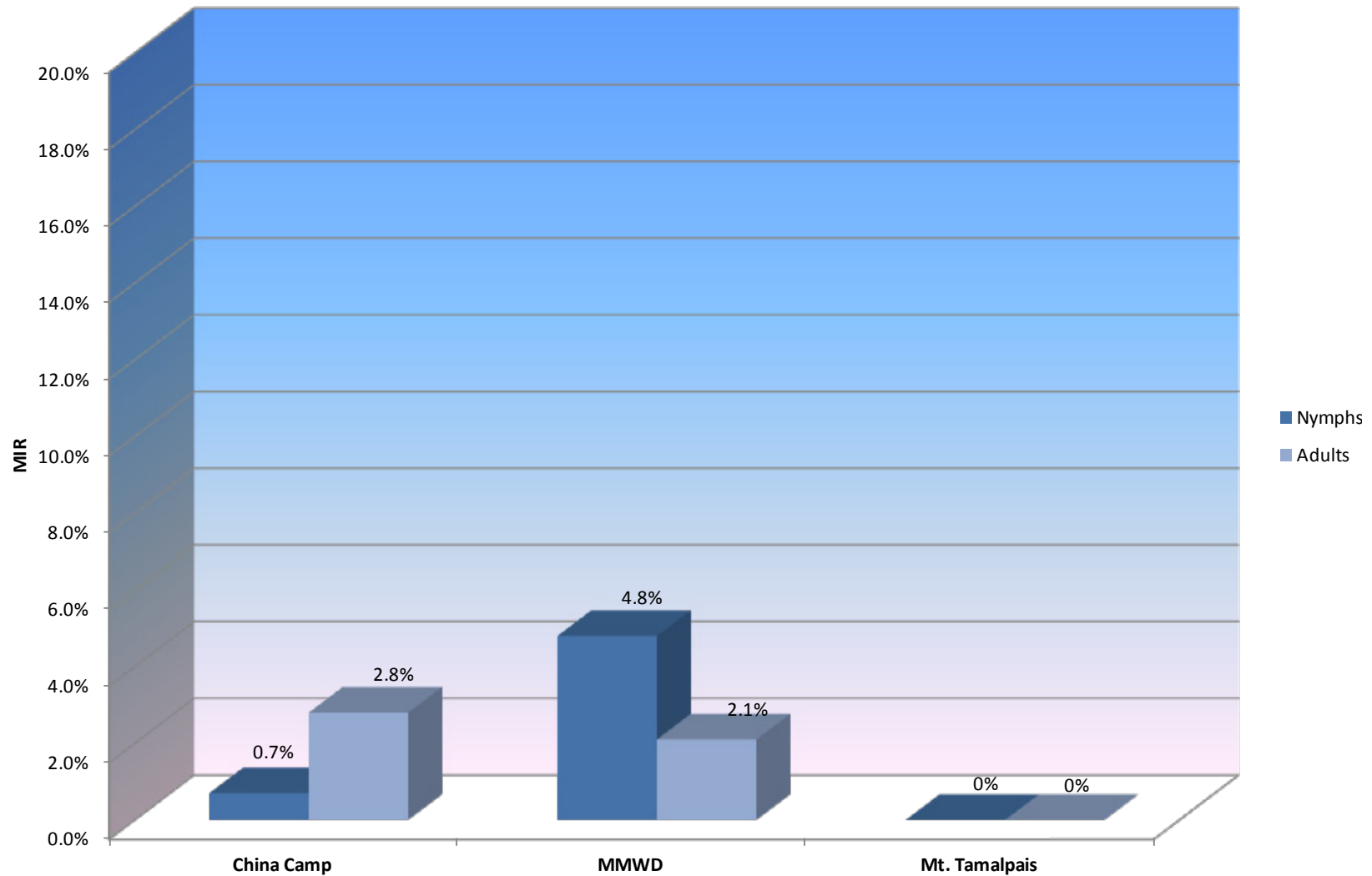
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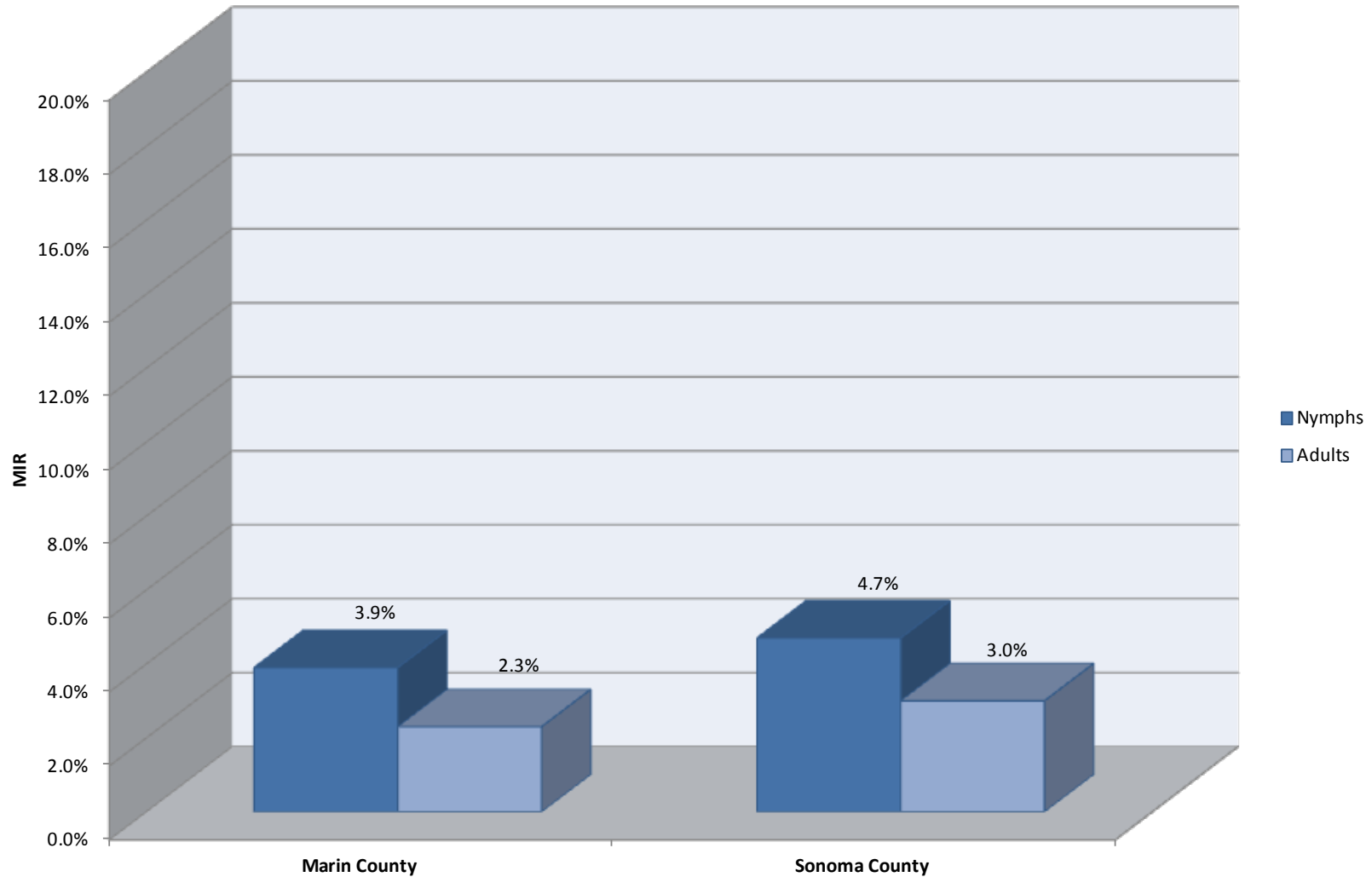
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