

Marin/Sonoma Mosquito and Vector Control

Ixodes pacificus / *Borrelia burgdorferi*
Surveillance 2008 - 2020



Parks Sampled 2008 - 2020

Marin County

Camino Alto Open Space Preserve

China Camp State Park

Golden Gate National Recreation Area/Wolfback Ridge

Horse Hill Preserve

Indian Tree Open Space Preserve

Indian Valley Open Space Preserve

Marin Municipal Water District

Mount Tamalpais State Park

Old St. Hilary's Open Space Preserve

Olompali State Park

Roy's Redwoods Open Space Preserve

Sonoma County

Austin Creek State Recreation Area

Camp Via (SDC)

Crane Creek Regional Park

Foothill Regional Park

Helen Putnam Regional Park

Hood Mountain Regional Park

Howarth Park

Jack London State Park

North Sonoma Mountain Regional Park

Pinnacle Gulch

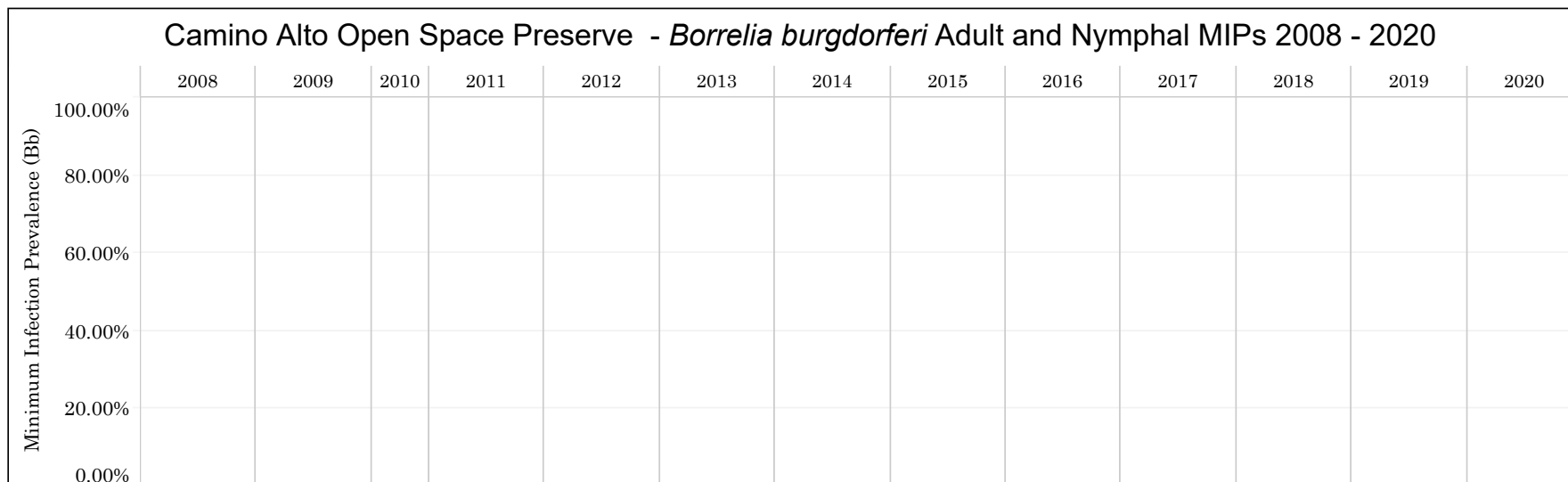
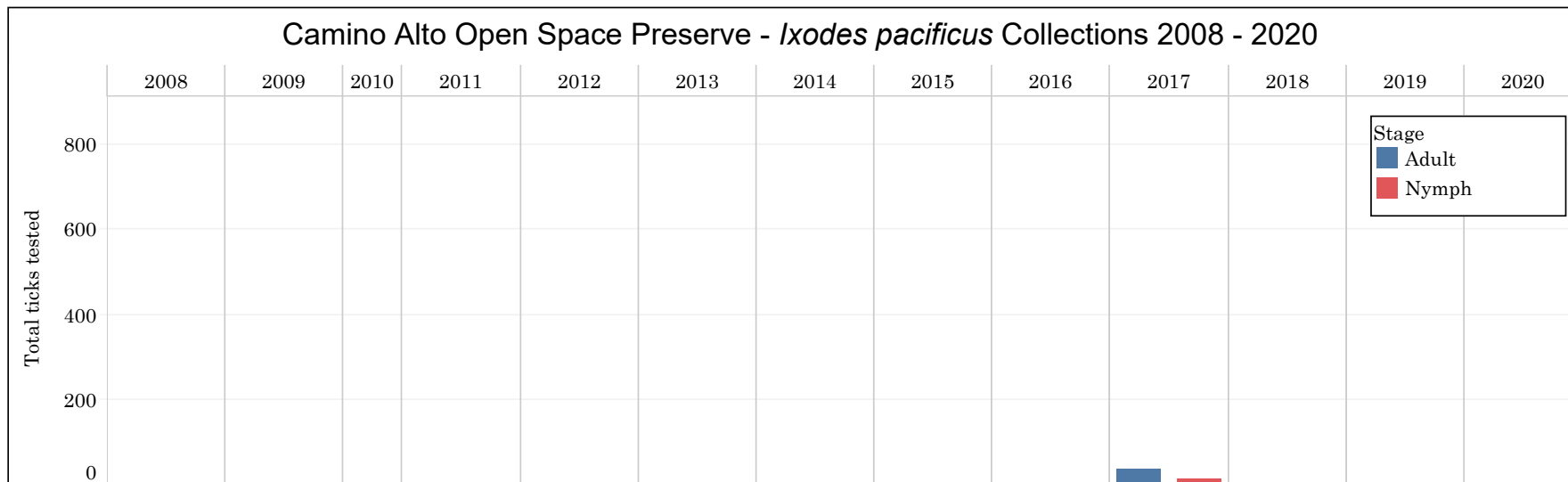
Ragle Ranch Regional Park

Riverfront Regional Park

Shiloh Ranch Regional Park

Sonoma Valley Regional Park



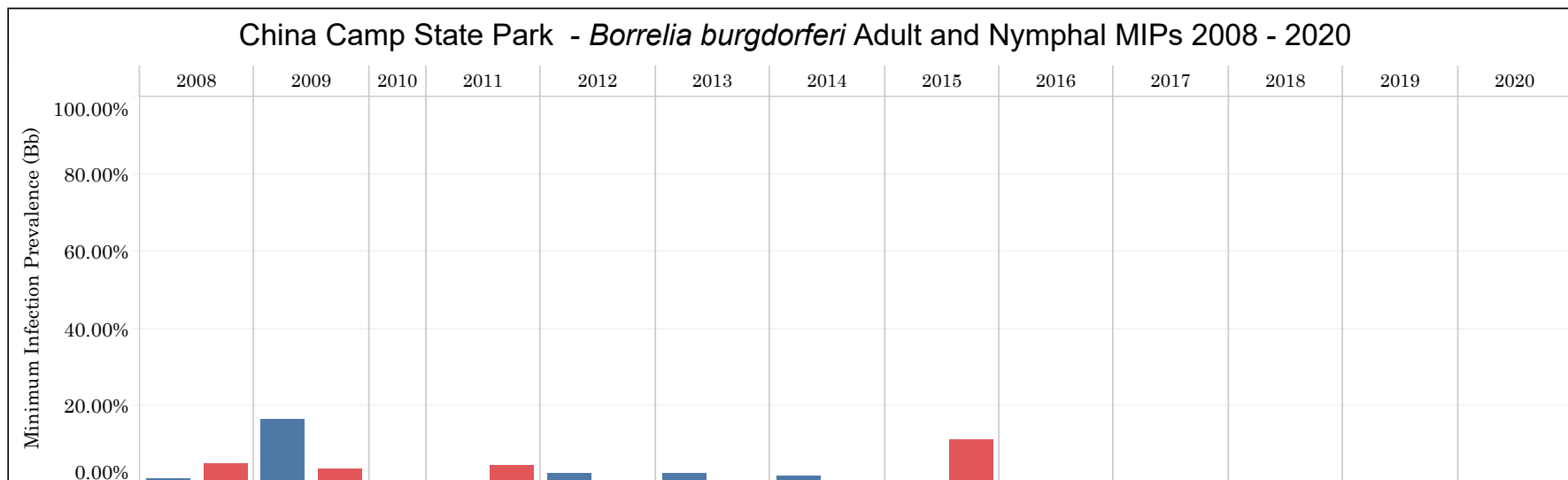
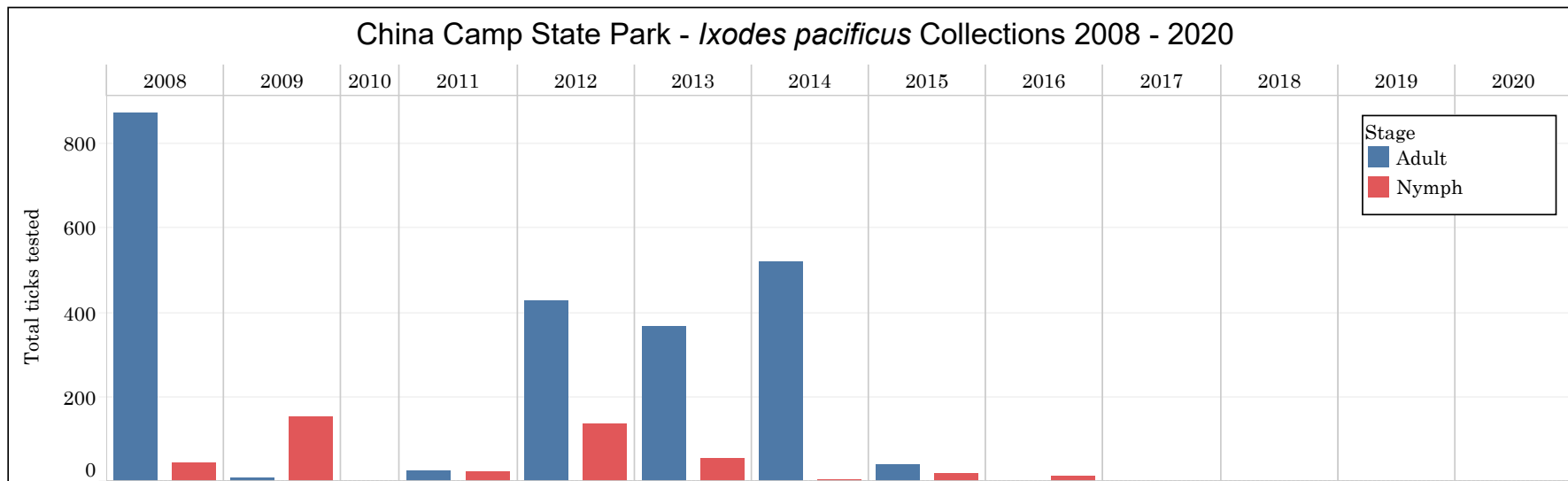


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Camino Alto Open Space Preserve	Adult	35	0	0.00%
	Nymph	12	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



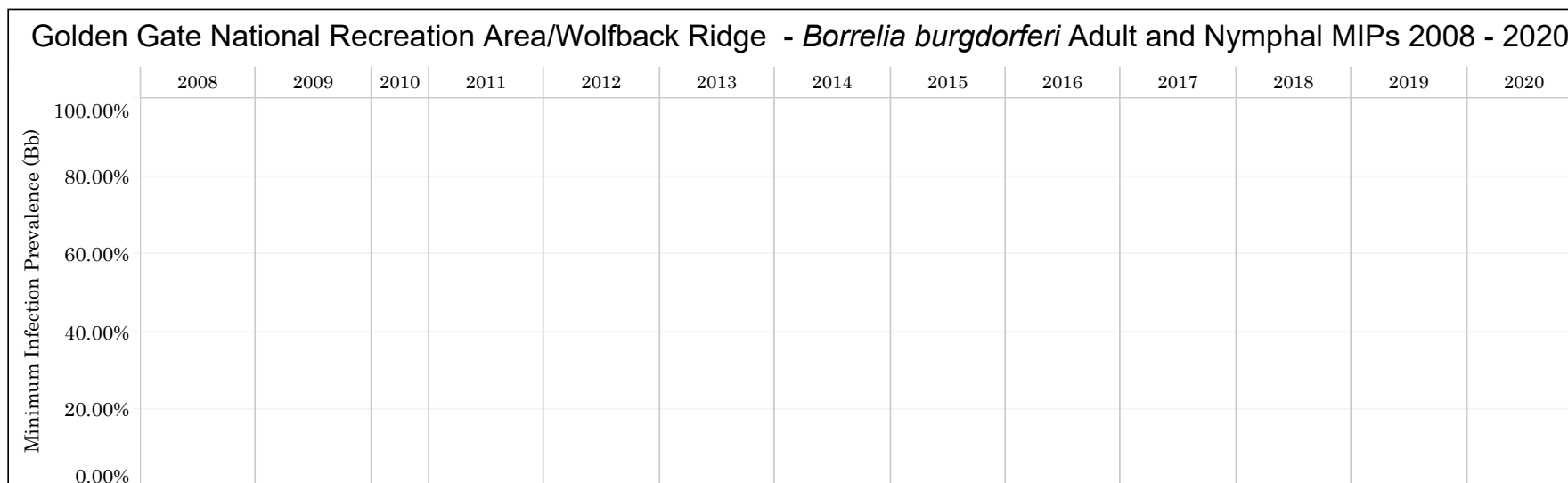
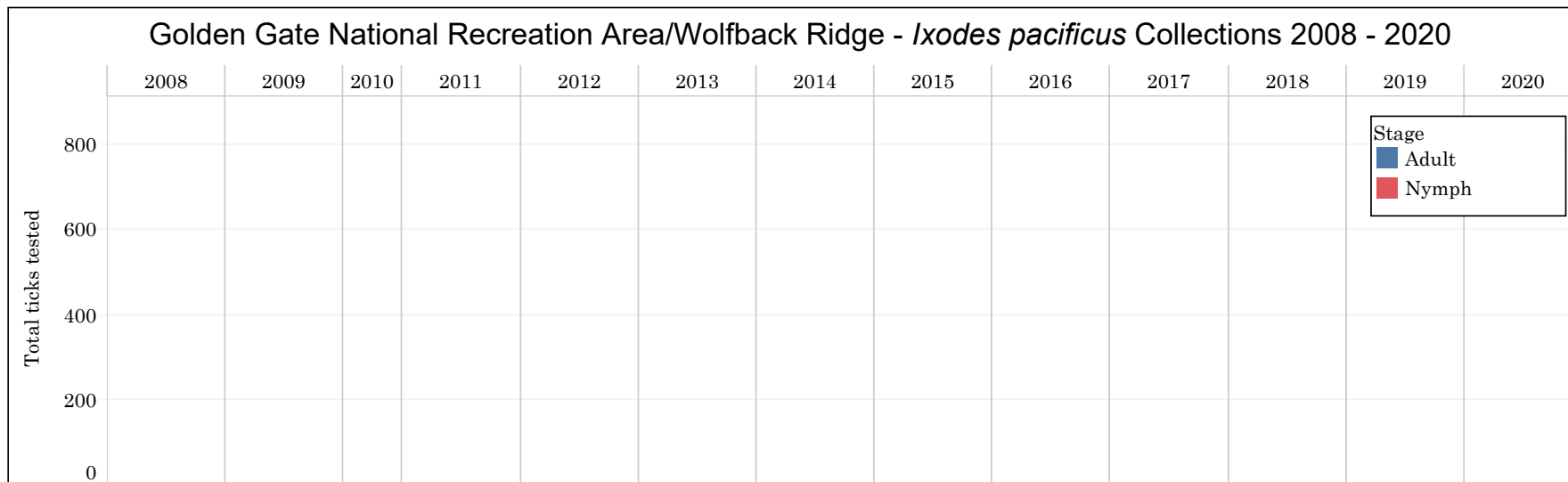


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
China Camp State Park	Adult	2,256	42	1.86%
	Nymph	435	12	2.76%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



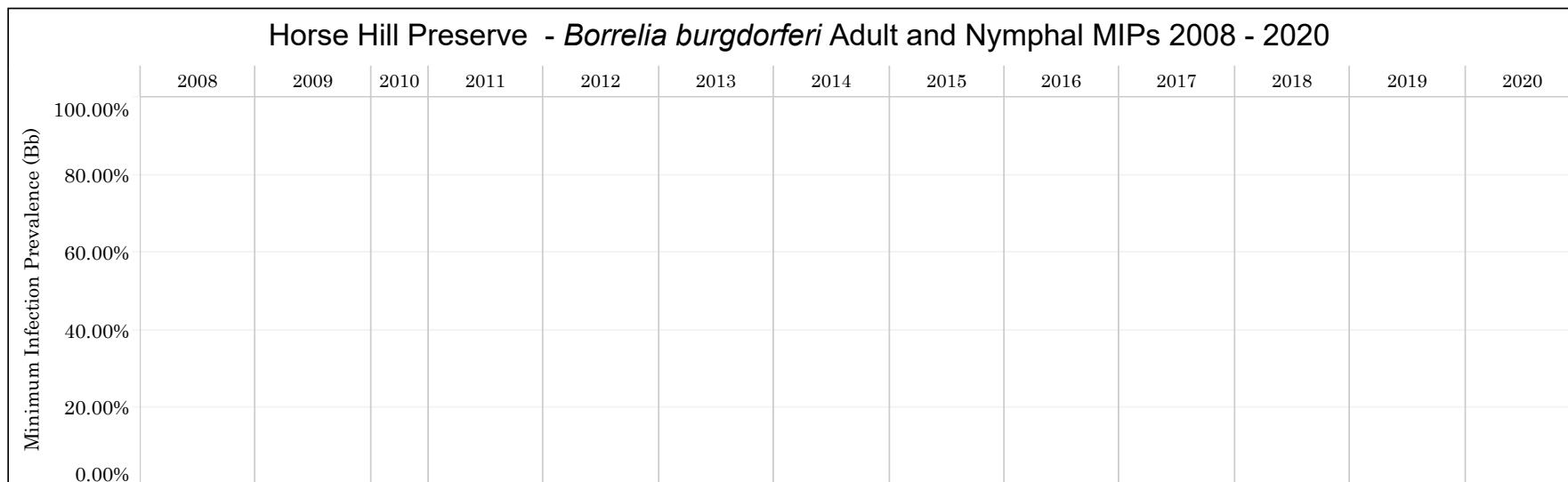
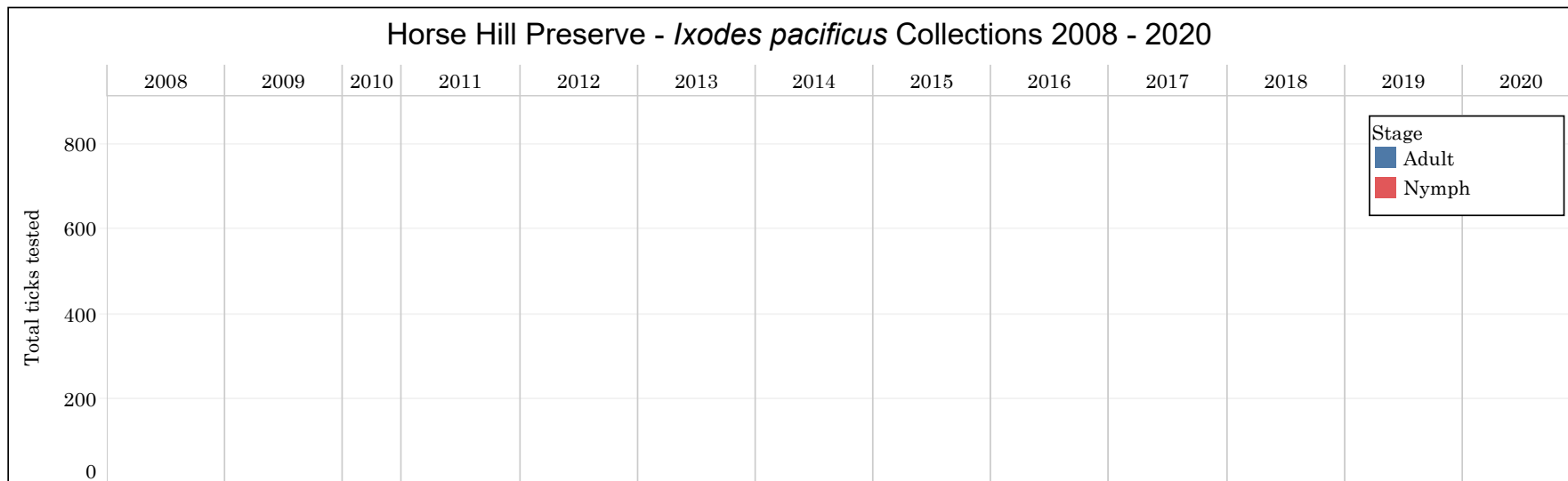


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Golden Gate National Recreation Area/..	Adult	3	0	0.00%
Golden Gate National Recreation Area/..	Nymph	4	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



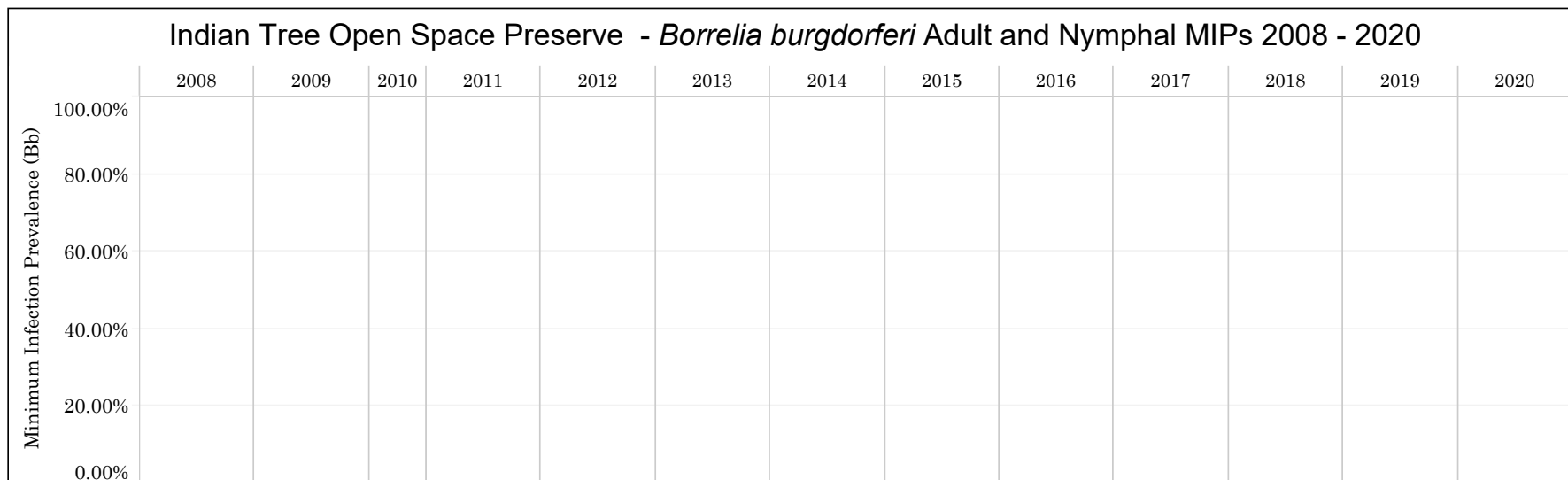
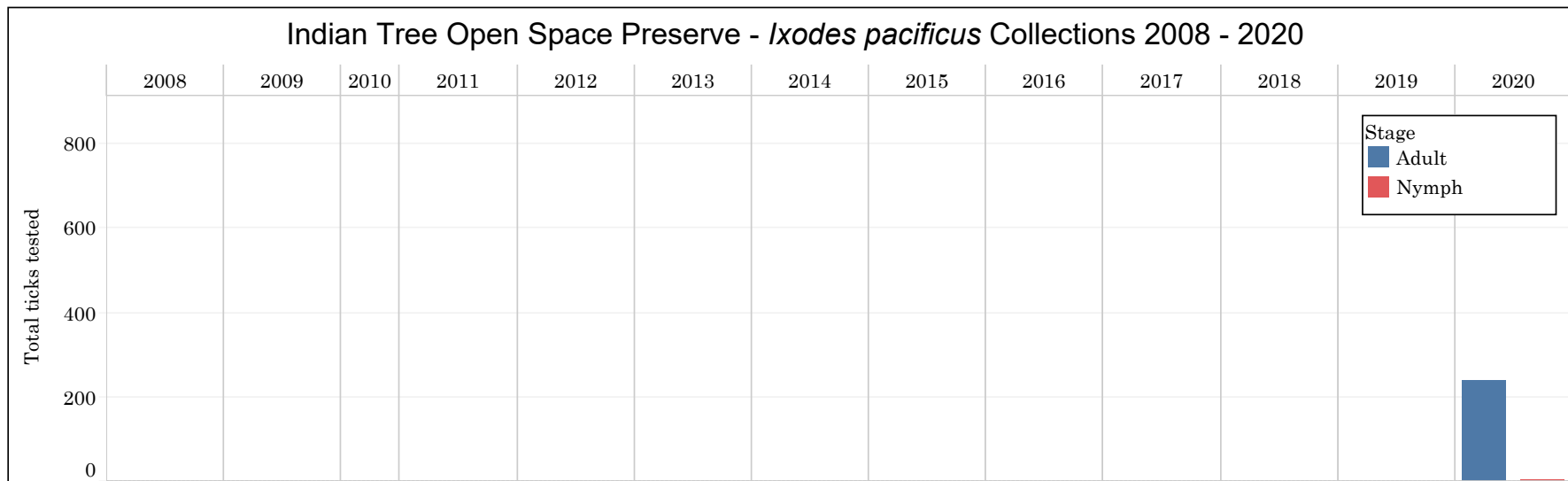


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Horse Hill Preserve	Adult	2	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



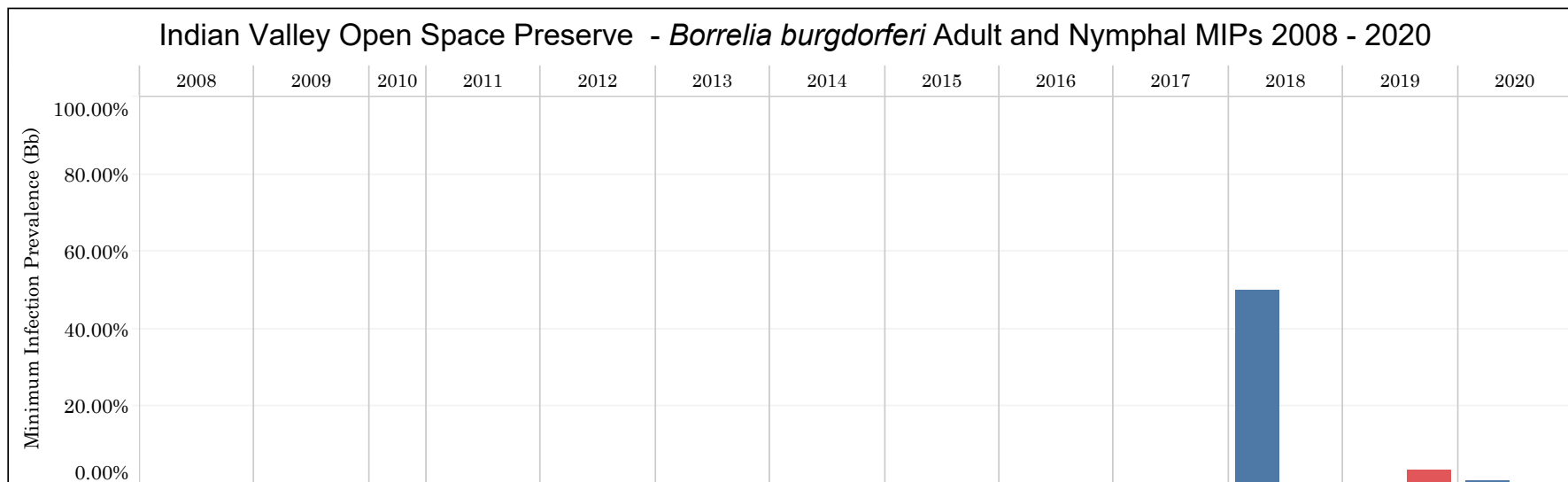
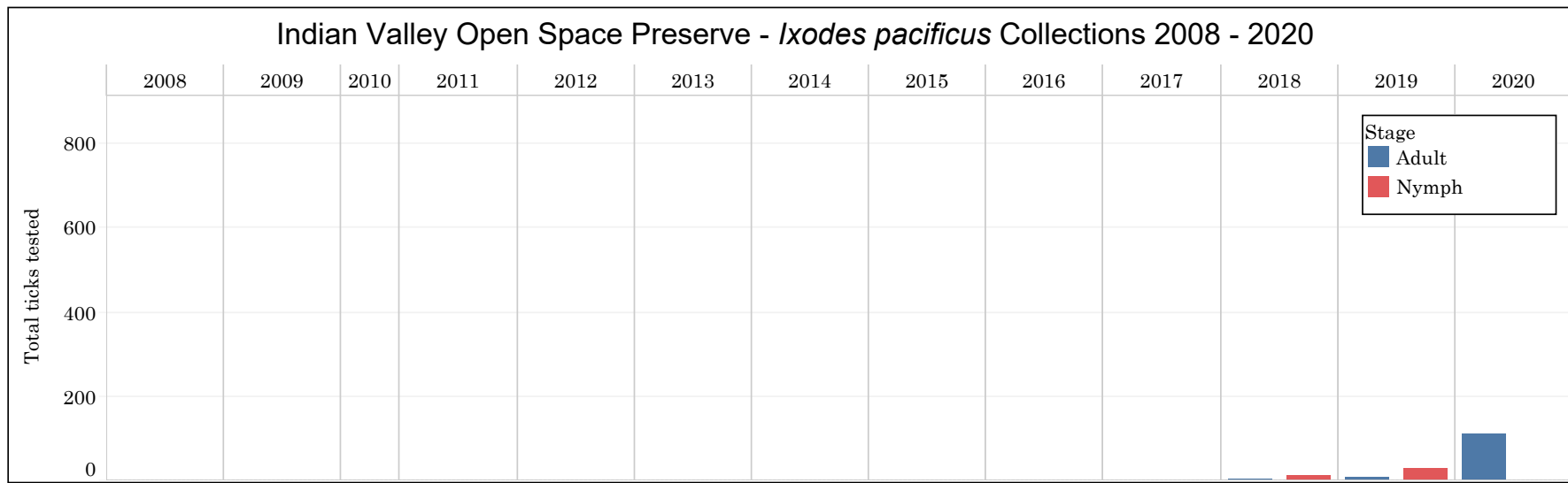


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Indian Tree Open Space Preserve	Adult	240	2	0.83%
	Nymph	2	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100

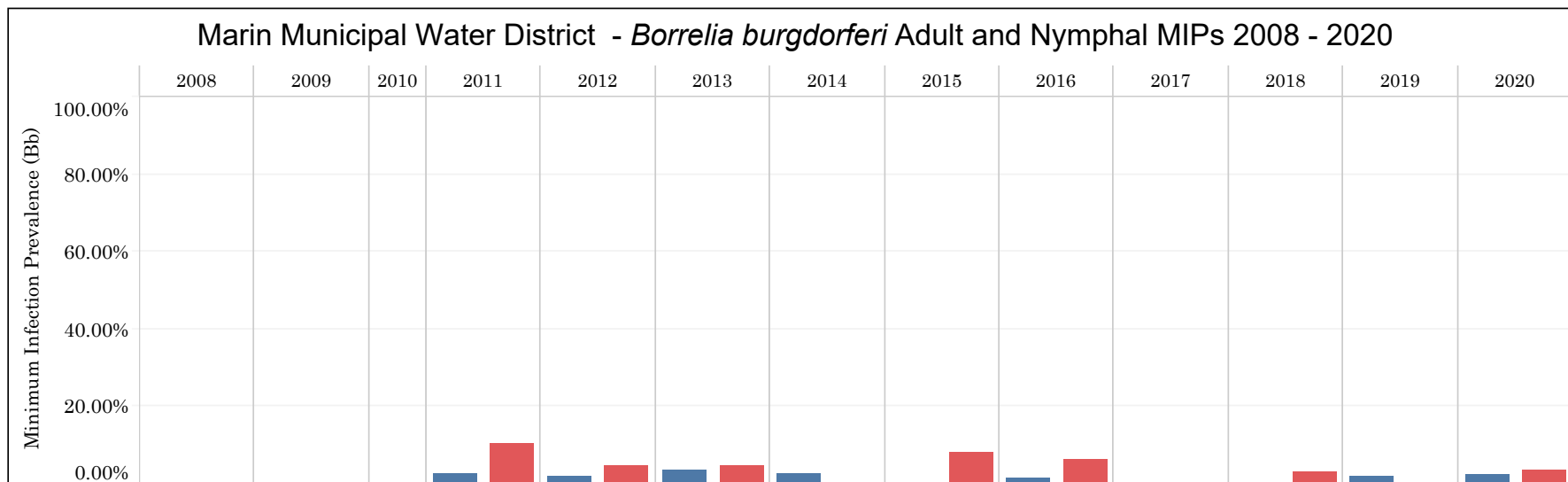
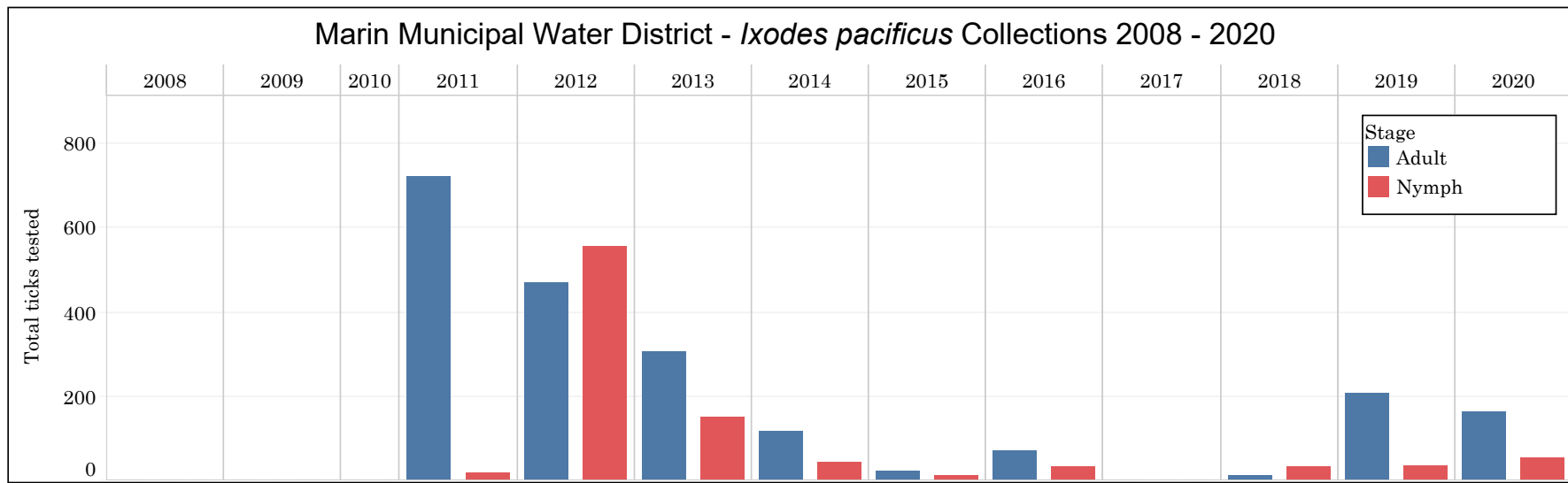




<i>Ixodes pacificus</i> tested for <i>Borrelia burgdorferi</i> 2008 - 2020				
Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Indian Valley Open Space Preserve	Adult	121	2	1.65%
	Nymph	39	1	2.56%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



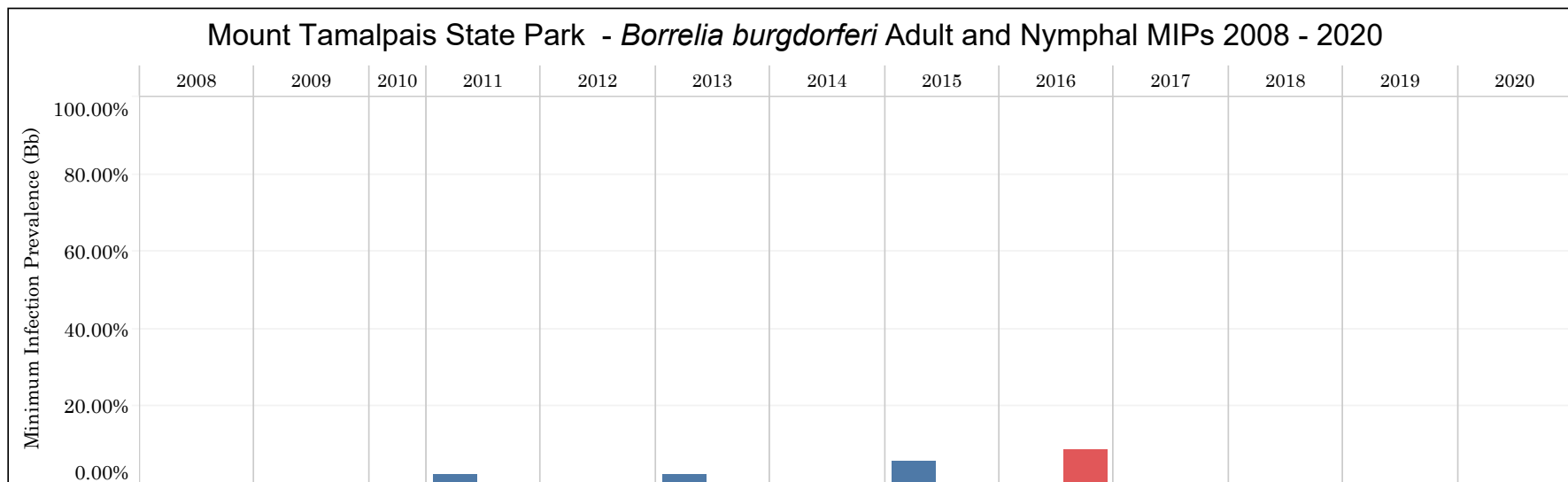
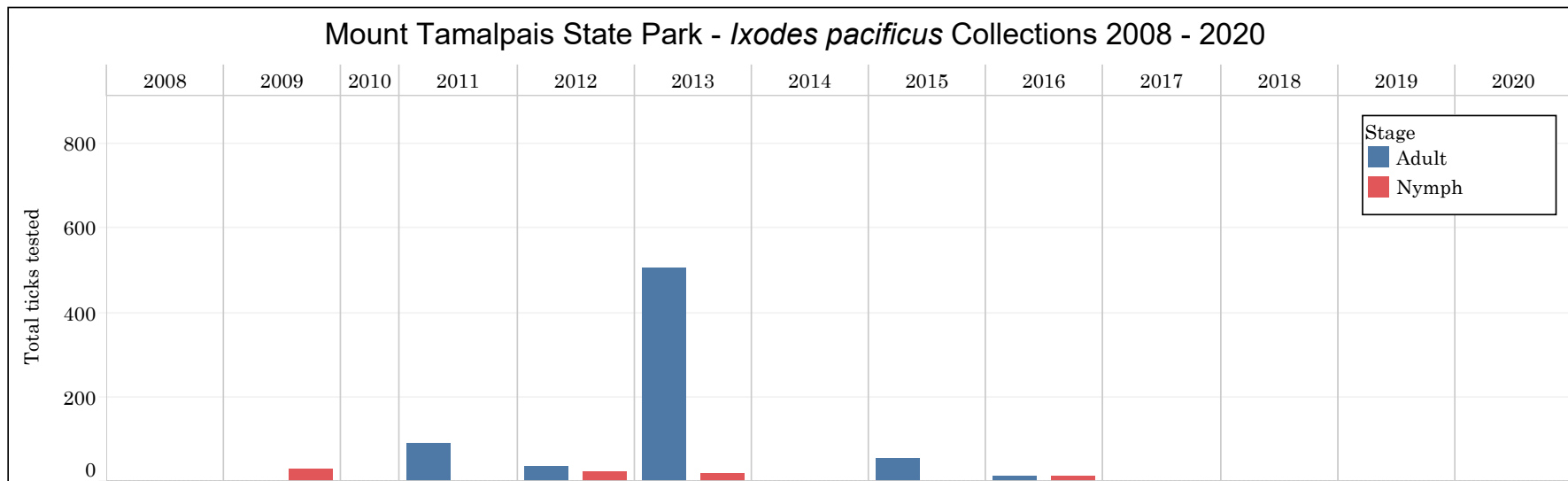


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Marin Municipal Water District	Adult	2,089	52	2.49%
	Nymph	931	41	4.40%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



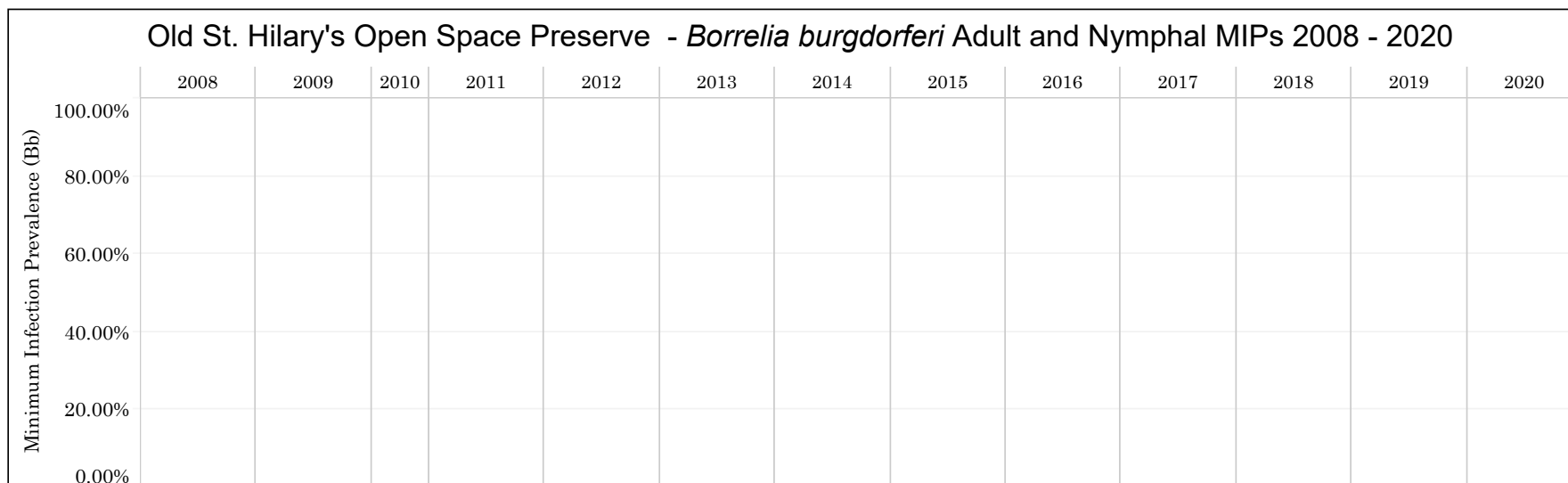
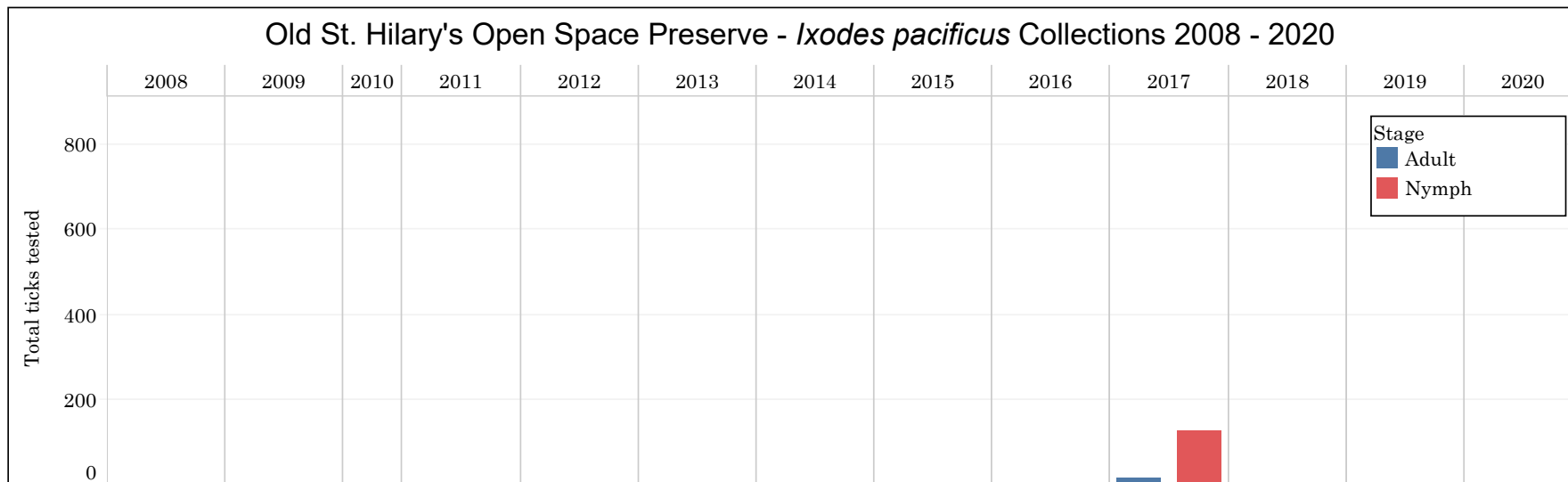


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Mount Tamalpais State Park	Adult	692	16	2.31%
	Nymph	77	1	1.30%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100

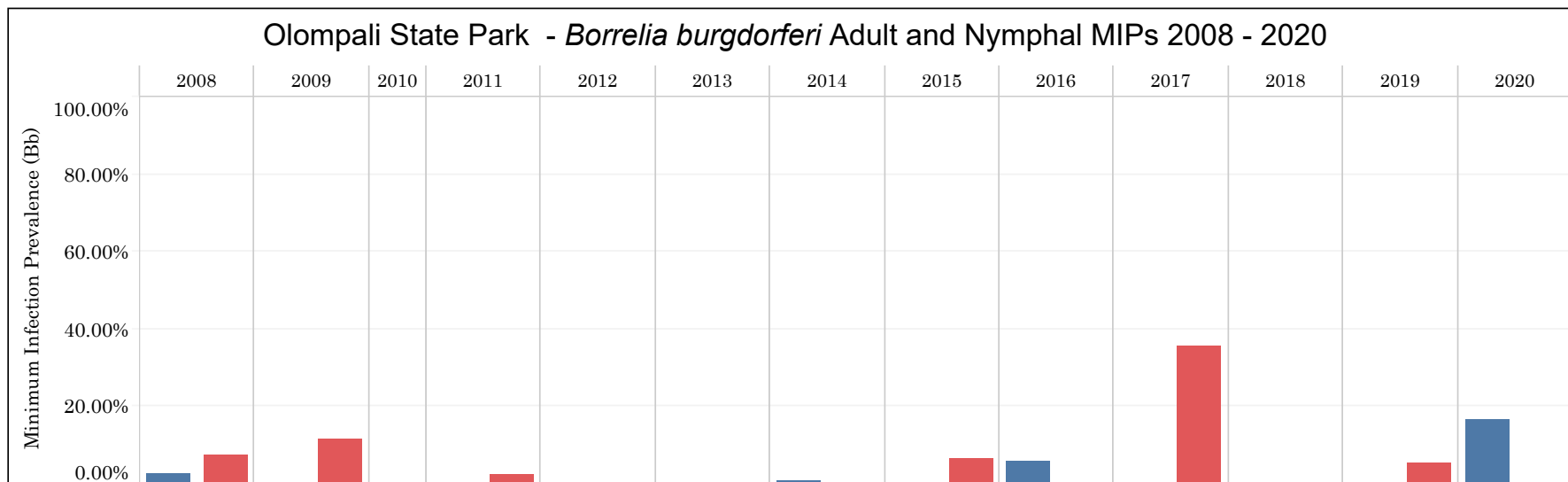
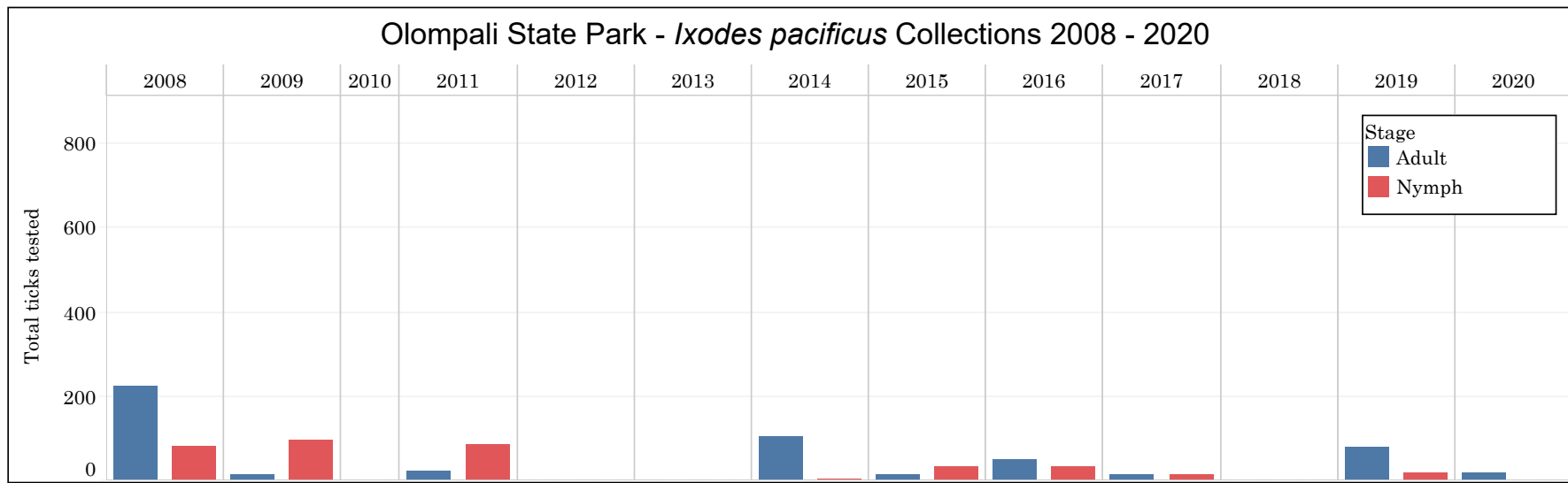




<i>Ixodes pacificus</i> tested for <i>Borrelia burgdorferi</i> 2008 - 2020				
Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Old St. Hilary's Open Space Preserve	Adult	14	0	0.00%
	Nymph	125	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



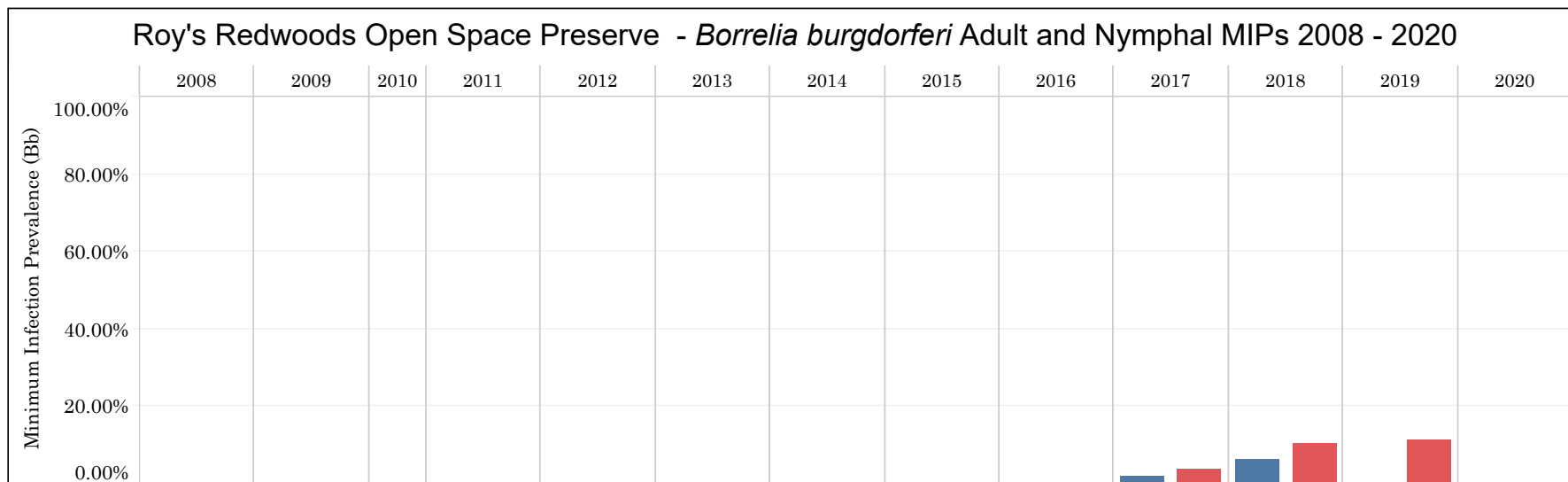
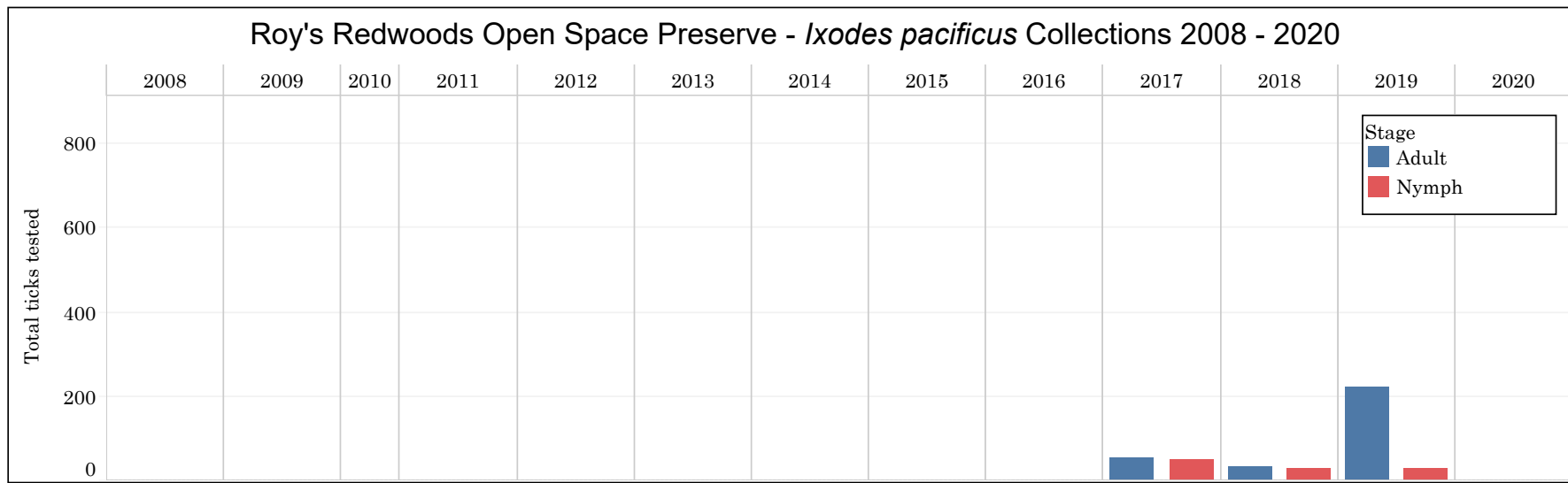


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Olompali State Park	Adult	538	13	2.42%
	Nymph	363	27	7.44%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100

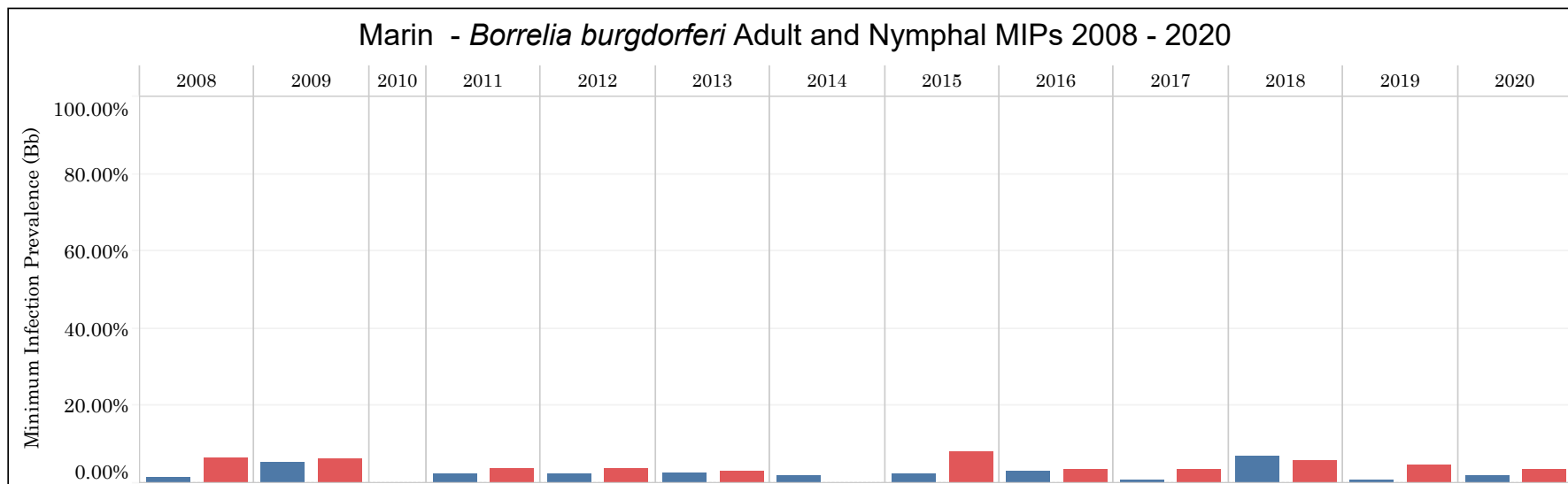
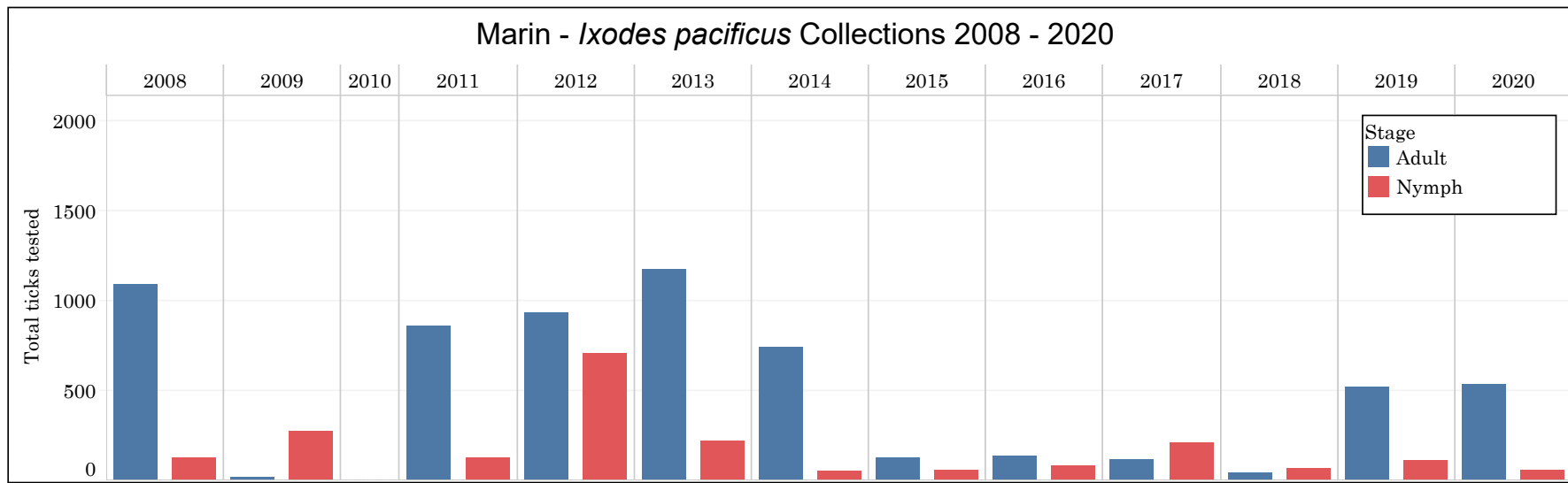




<i>Ixodes pacificus</i> tested for <i>Borrelia burgdorferi</i> 2008 - 2020				
Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Roy's Redwoods Open Space Preserve	Adult	305	3	0.98%
	Nymph	107	8	7.48%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



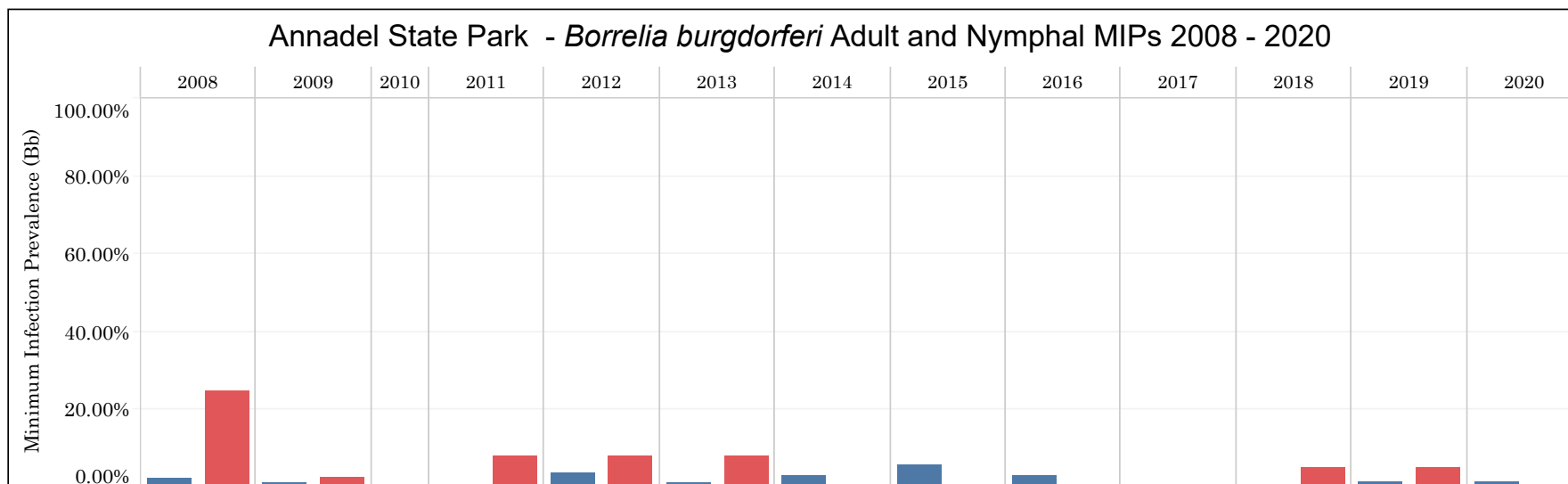
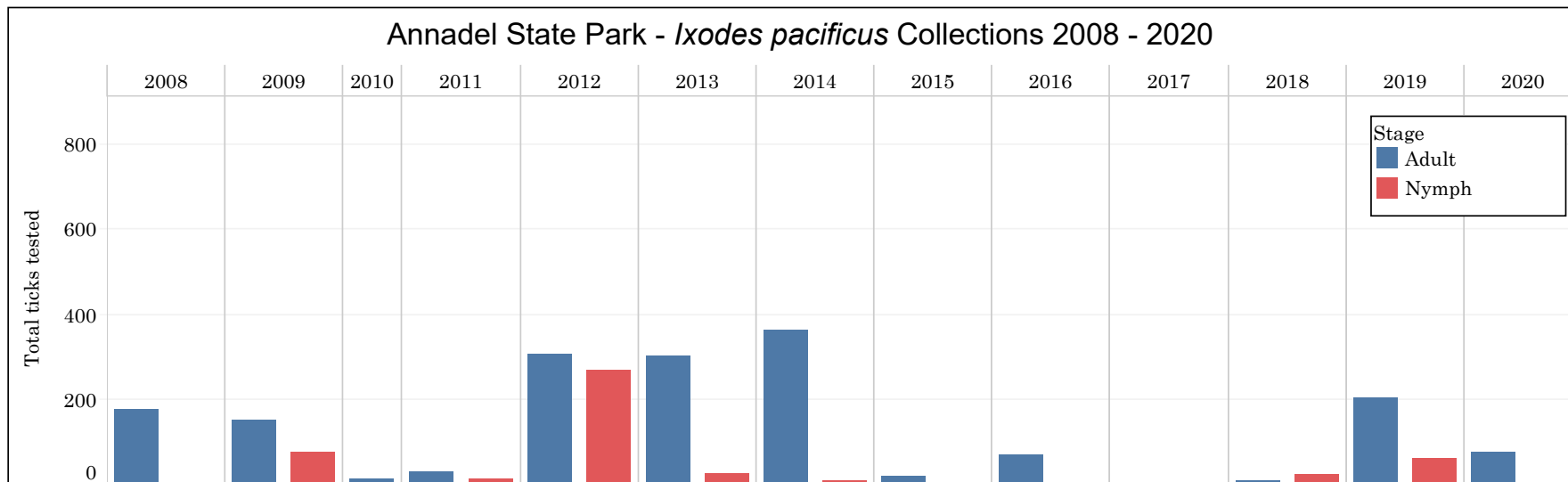


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

County	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Marin	Adult	6,297	130	2.06%
	Nymph	2,095	90	4.30%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



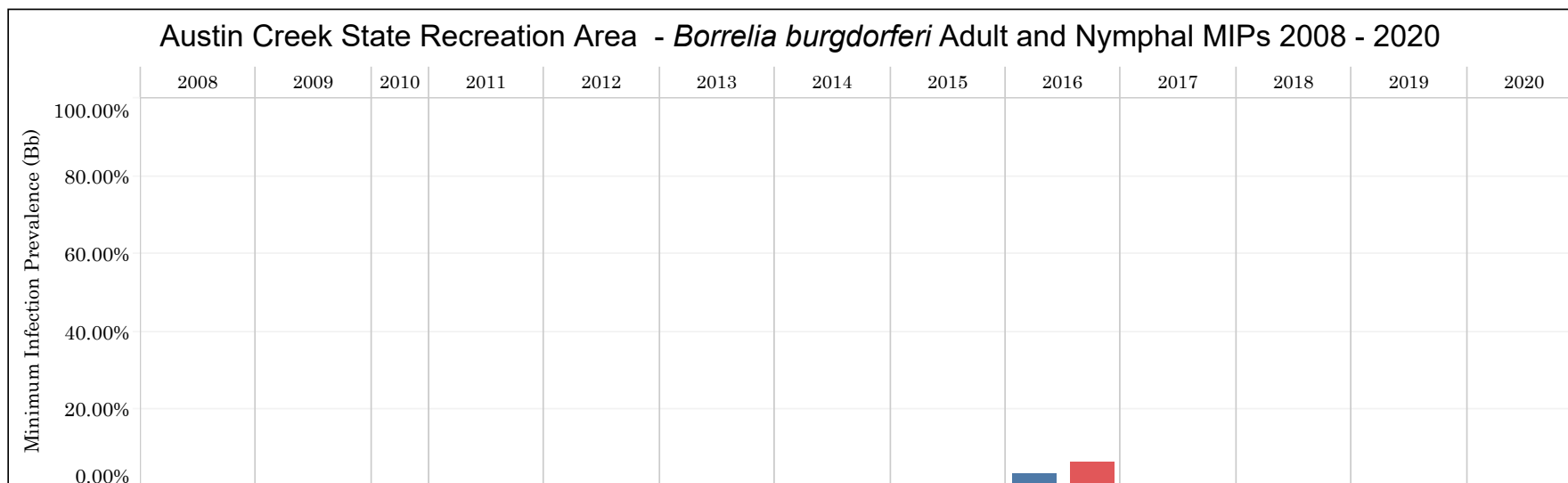
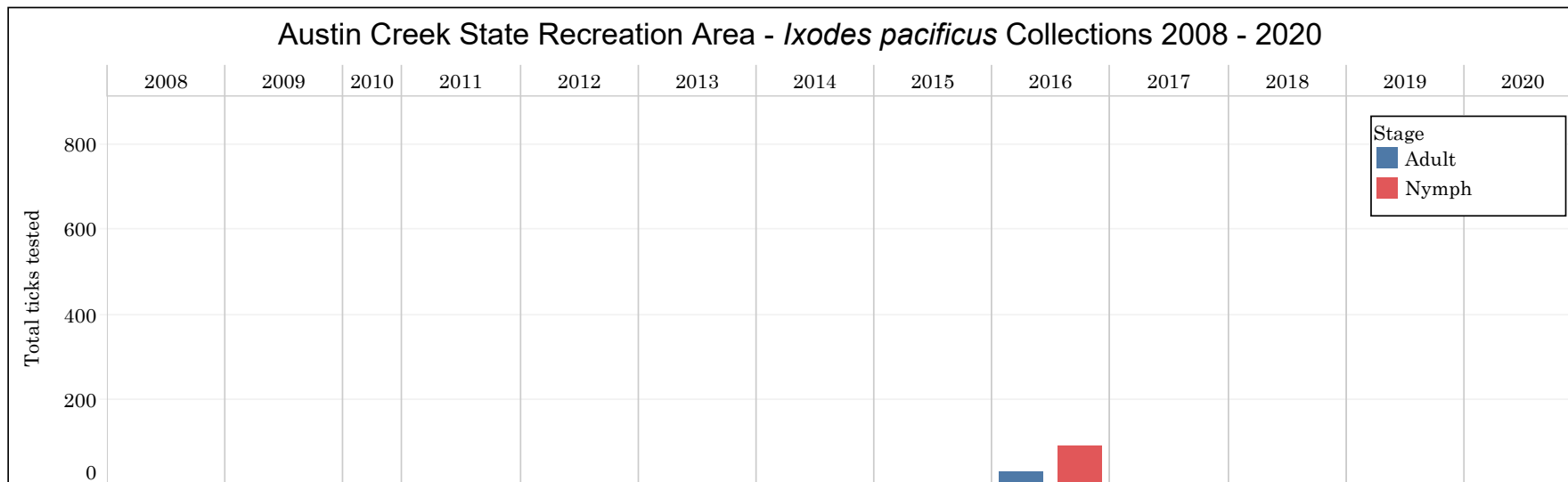


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Annadel State Park	Adult	1,695	40	2.36%
	Nymph	471	32	6.79%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



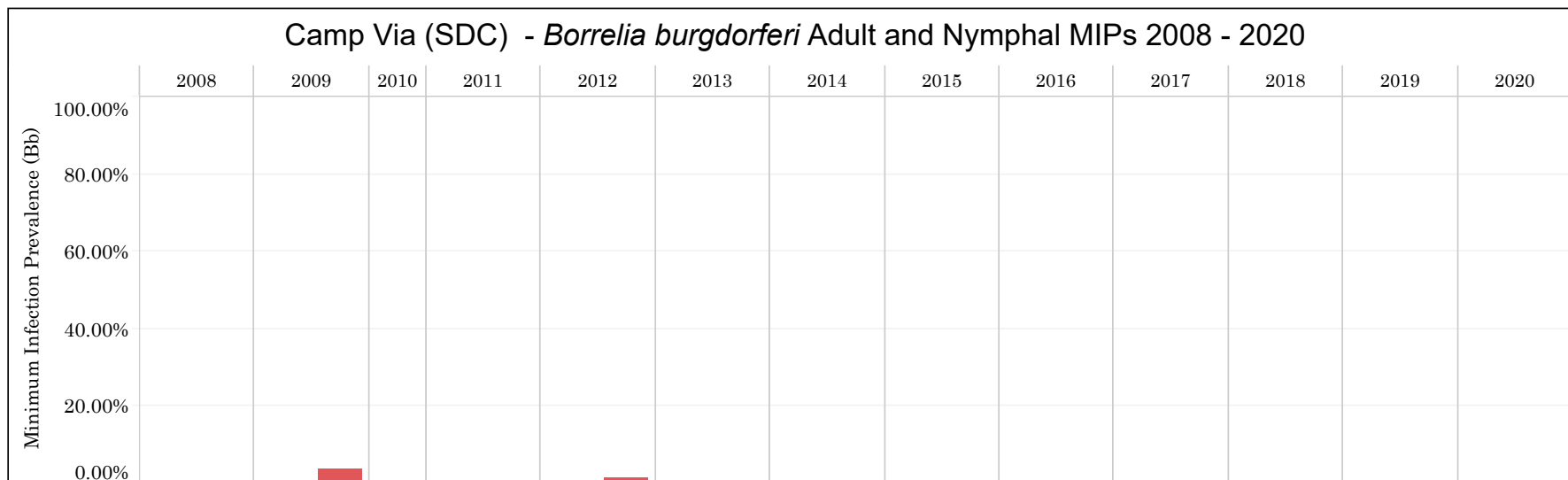
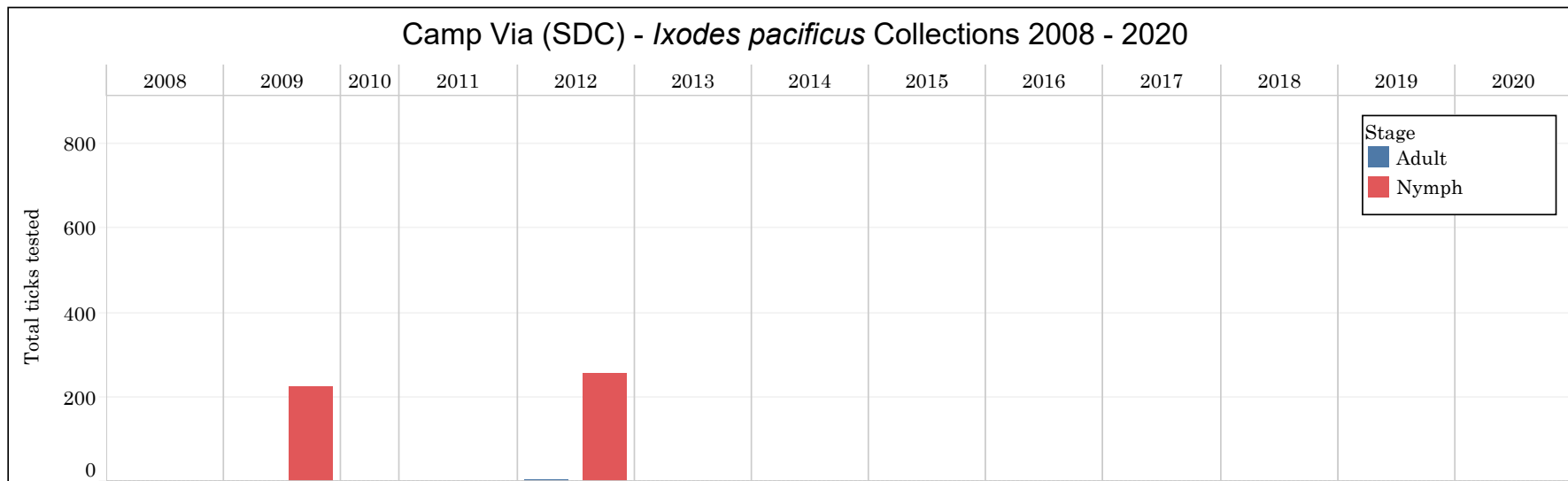


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Austin Creek State Recreation Area	Adult	30	1	3.33%
	Nymph	89	6	6.74%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



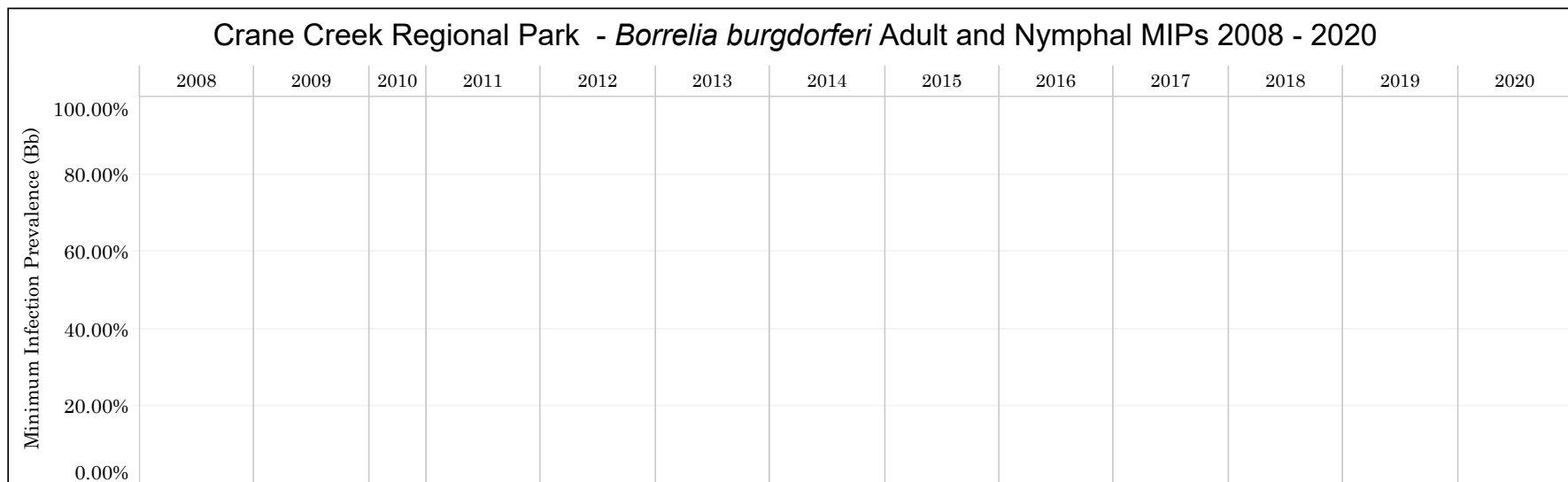
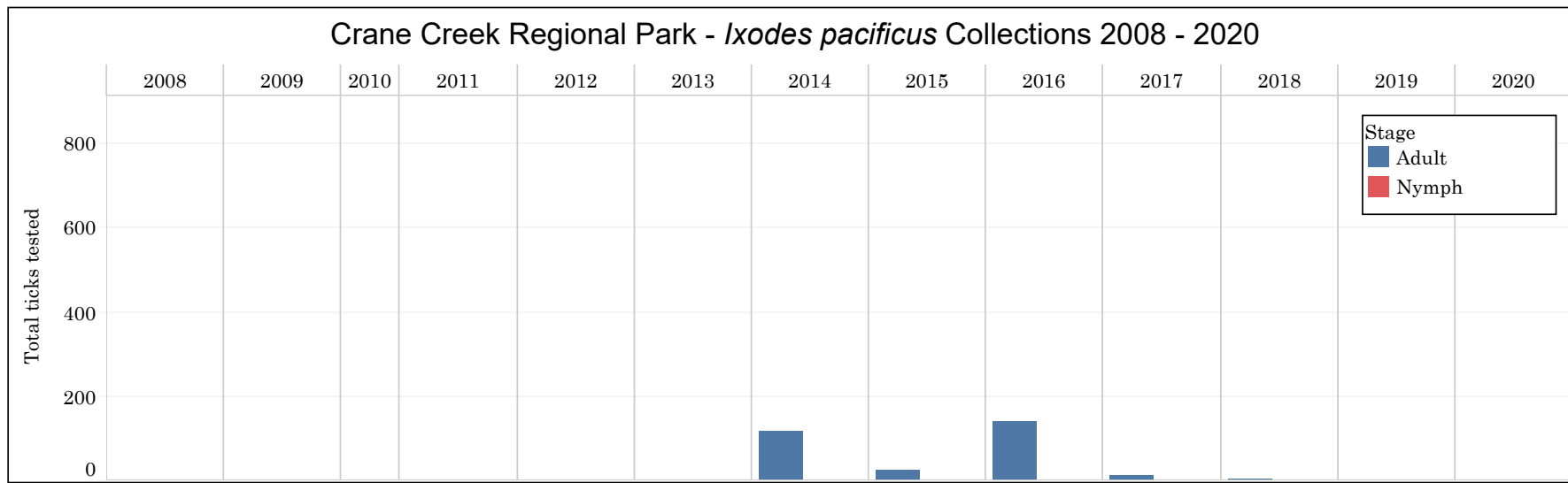


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Camp Via (SDC)	Adult	3	0	0.00%
	Nymph	480	13	2.71%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



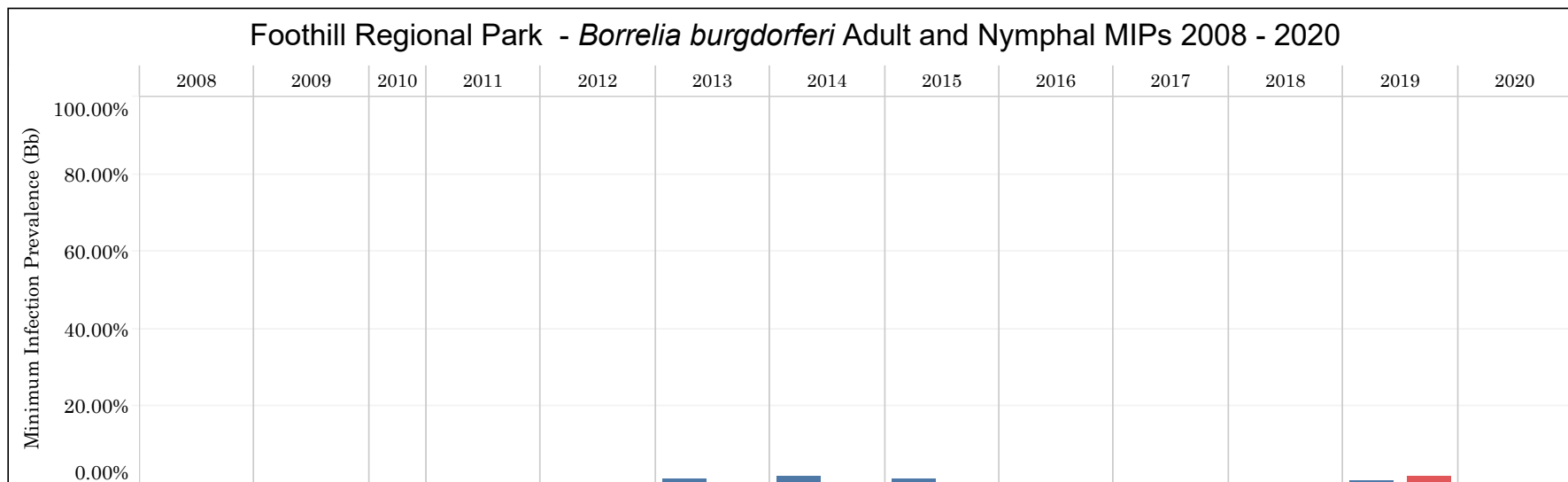
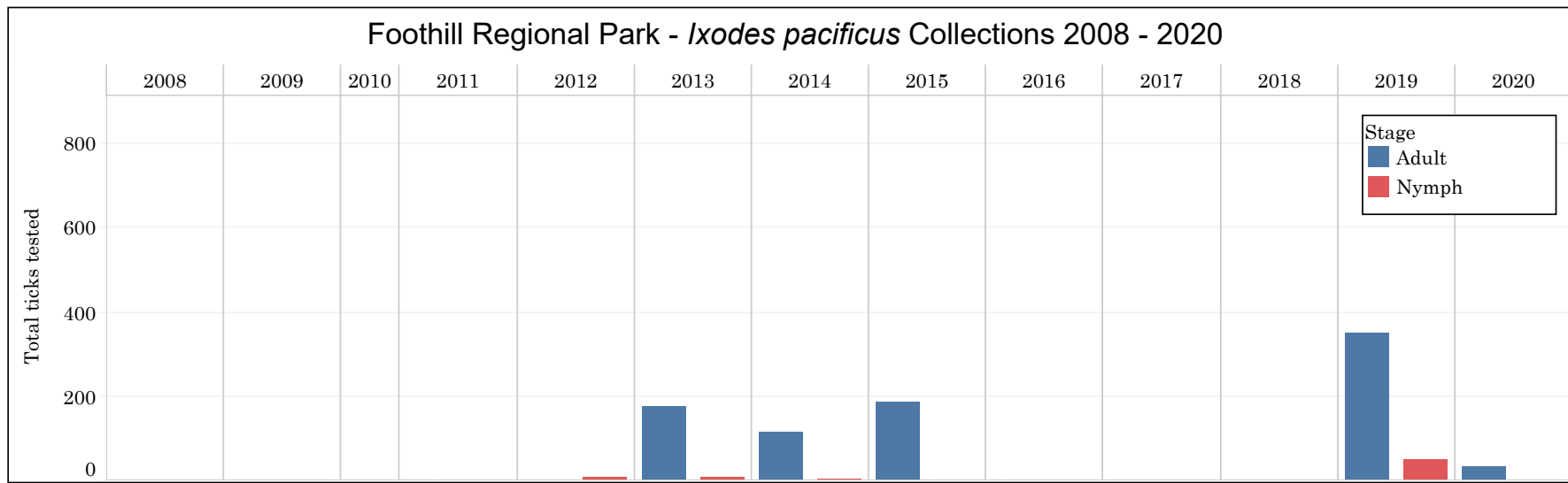


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Crane Creek Regional Park	Adult	298	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



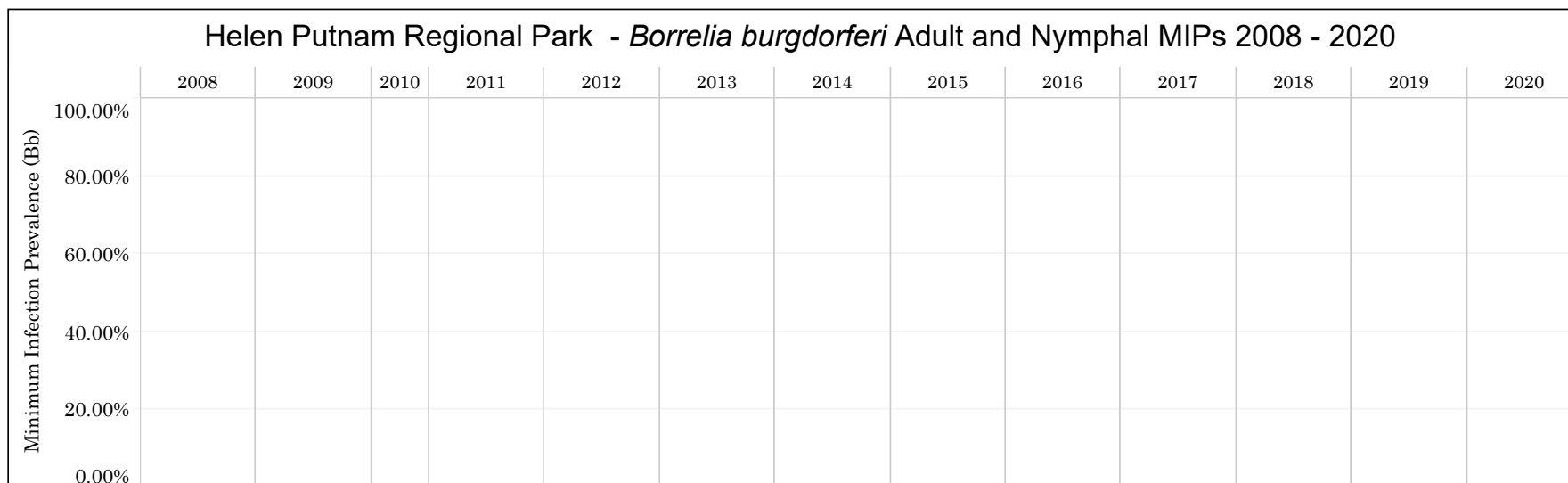
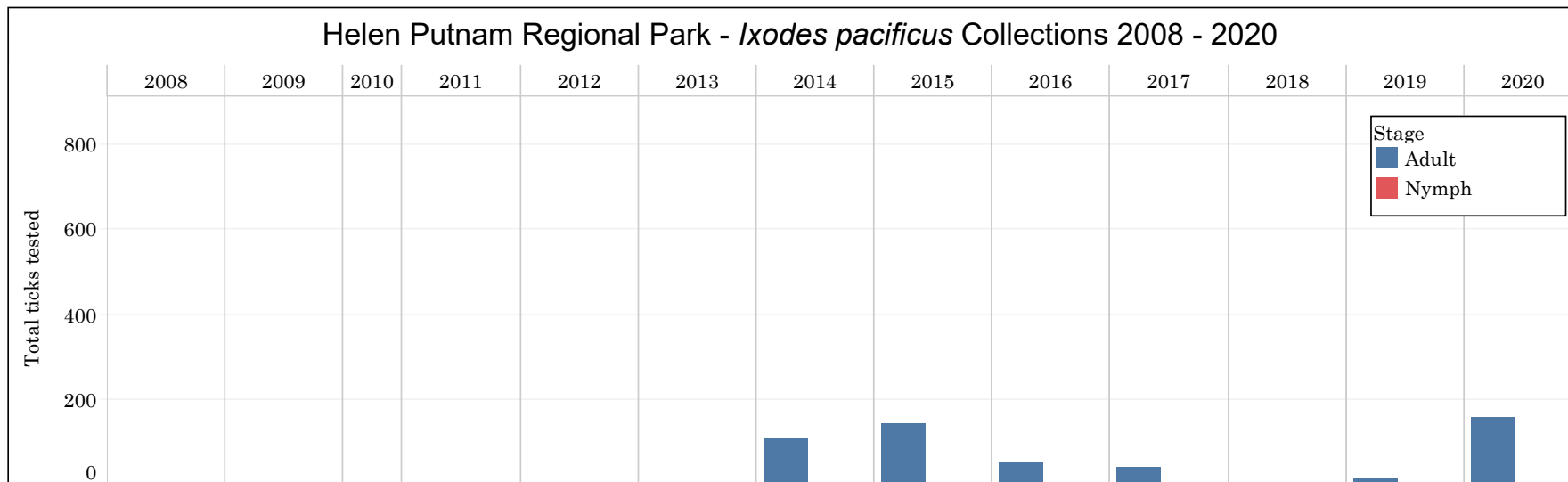


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Foothill Regional Park	Adult	854	9	1.05%
	Nymph	72	1	1.39%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



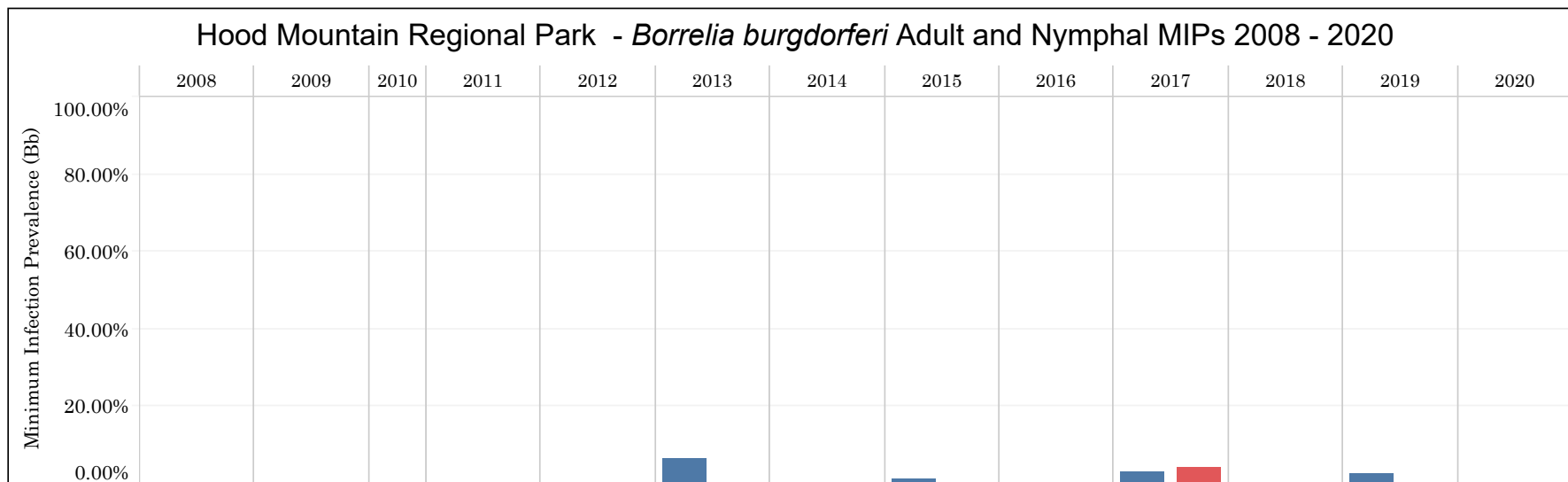
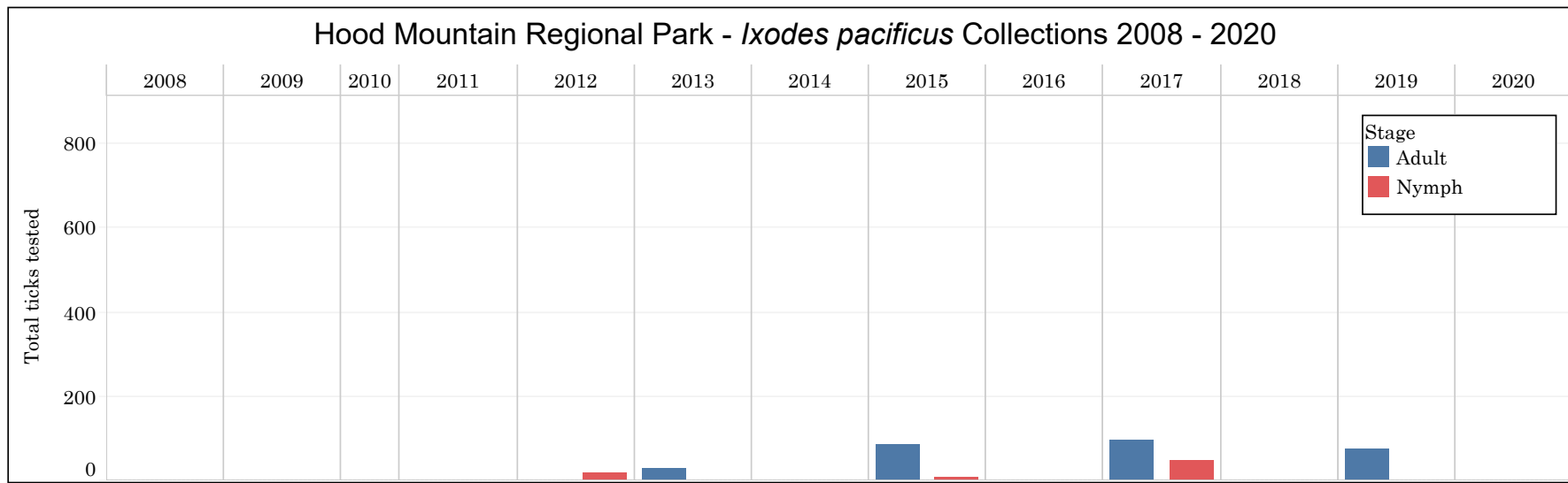


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Helen Putnam Regional Park	Adult	507	1	0.20%
	Nymph	3	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



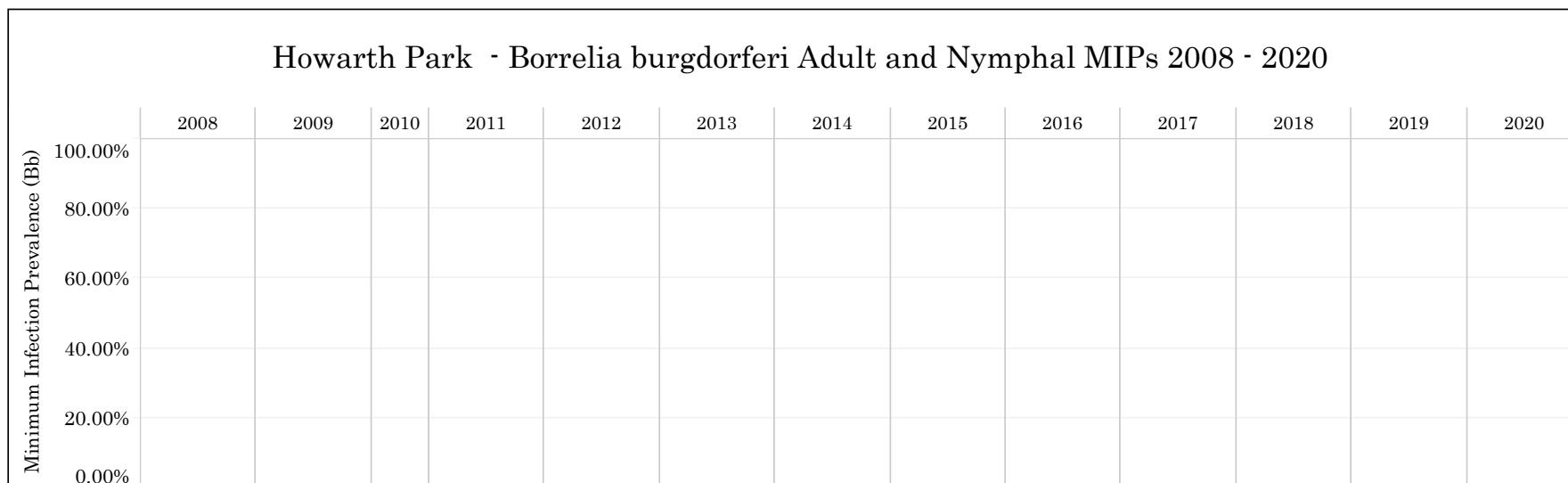
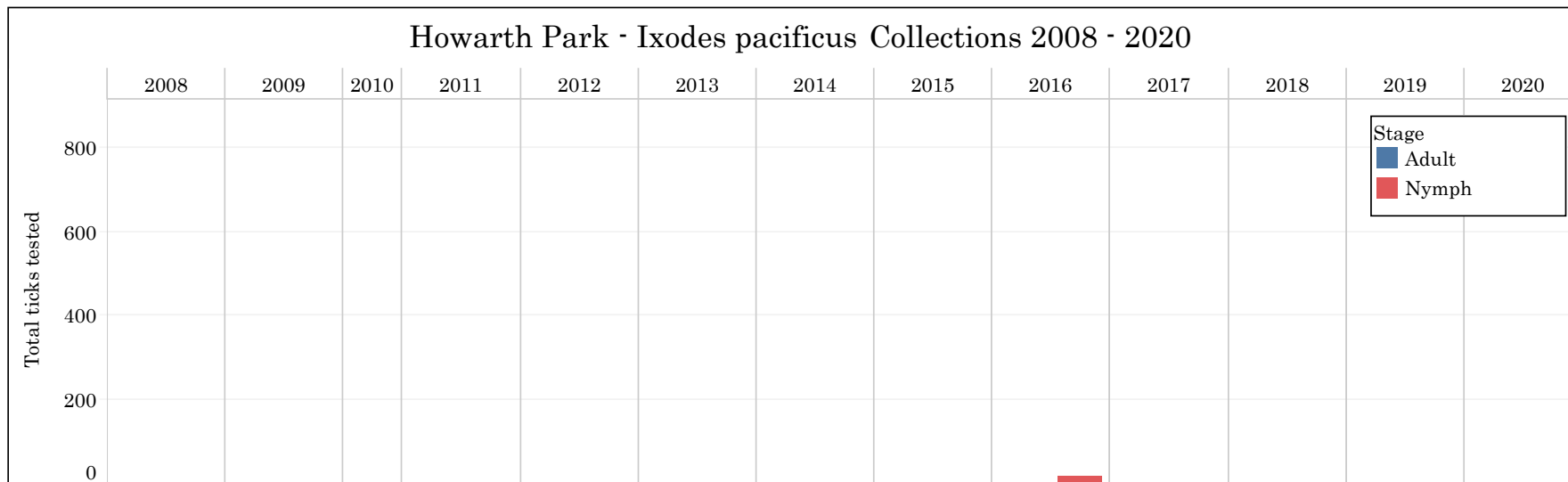


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Hood Mountain Regional Park	Adult	287	8	2.79%
	Nymph	72	2	2.78%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



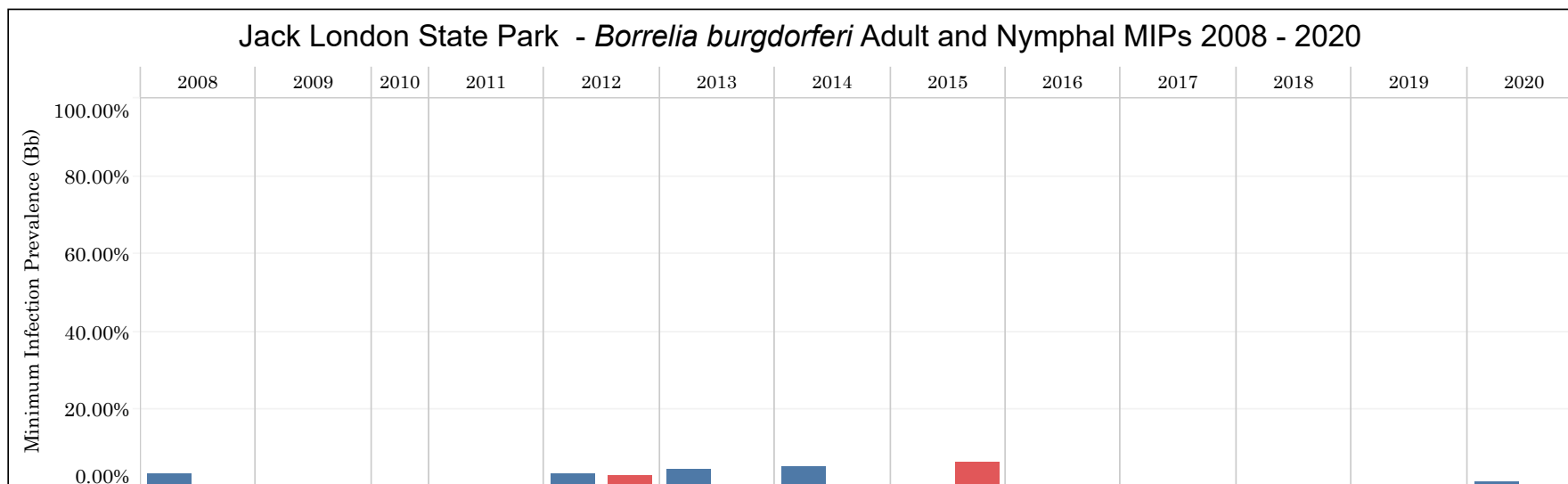
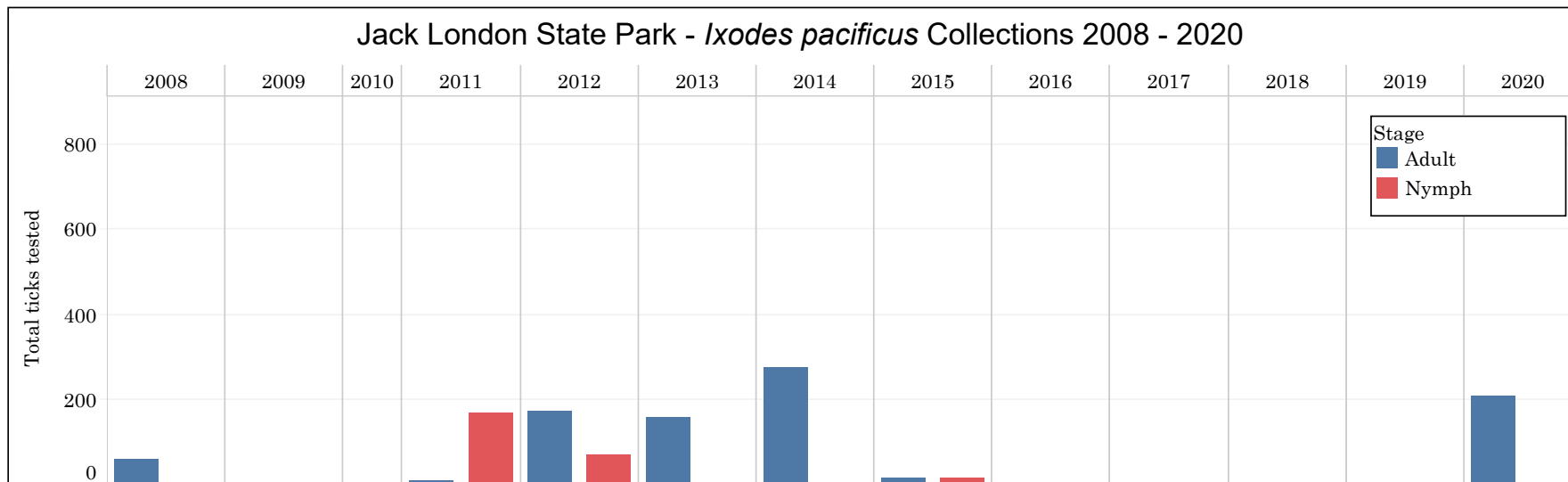


Ixodes pacificus tested for Borrelia burdorferi 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Howarth Park	Nymph	18	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



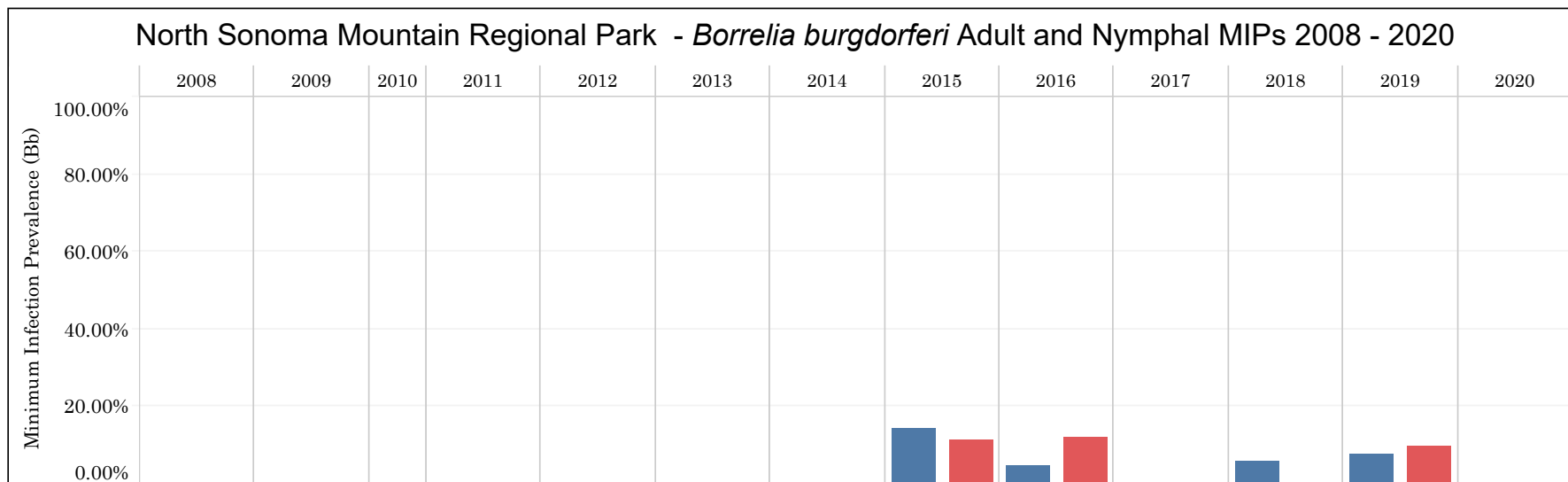
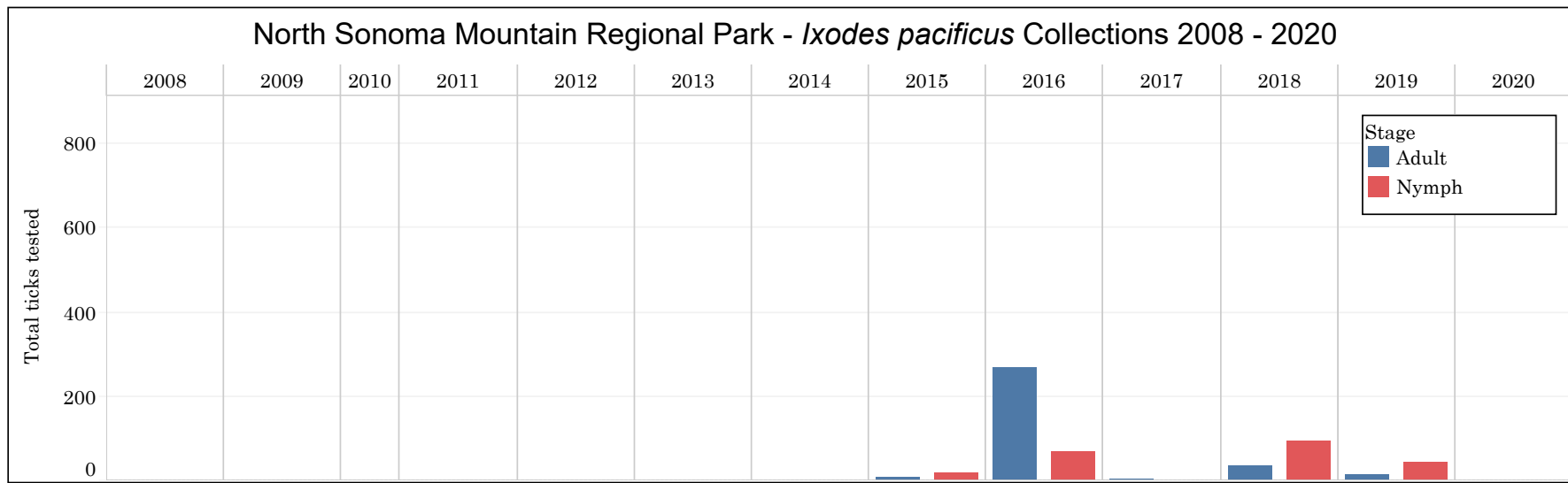


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Jack London State Park	Adult	883	33	3.74%
	Nymph	251	3	1.20%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



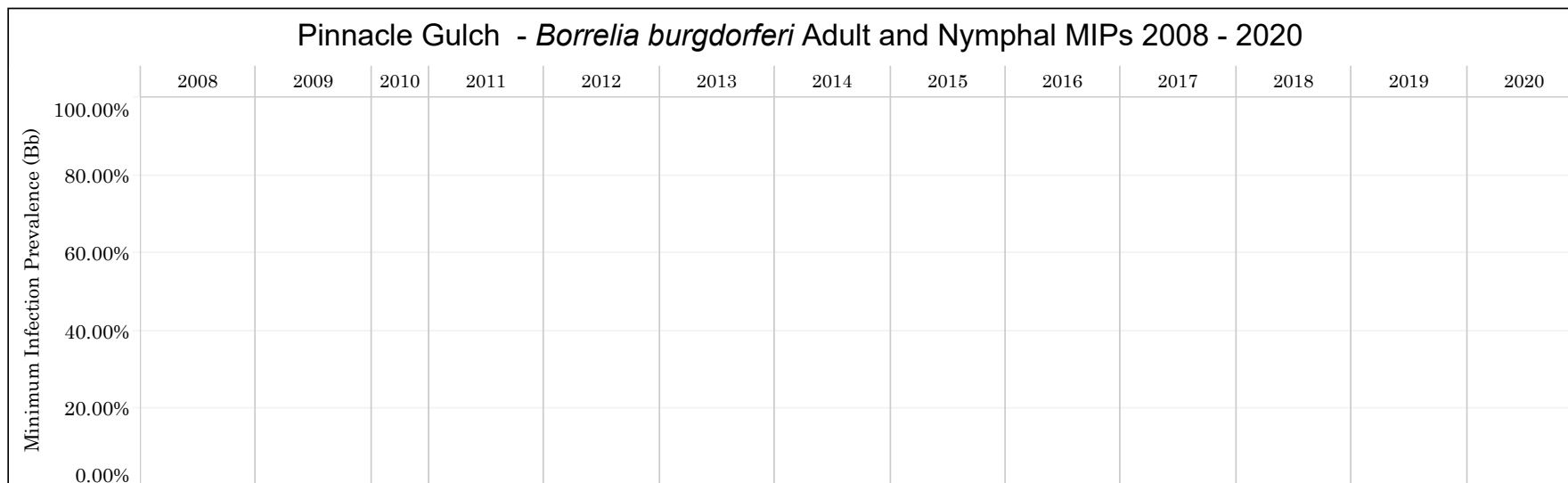
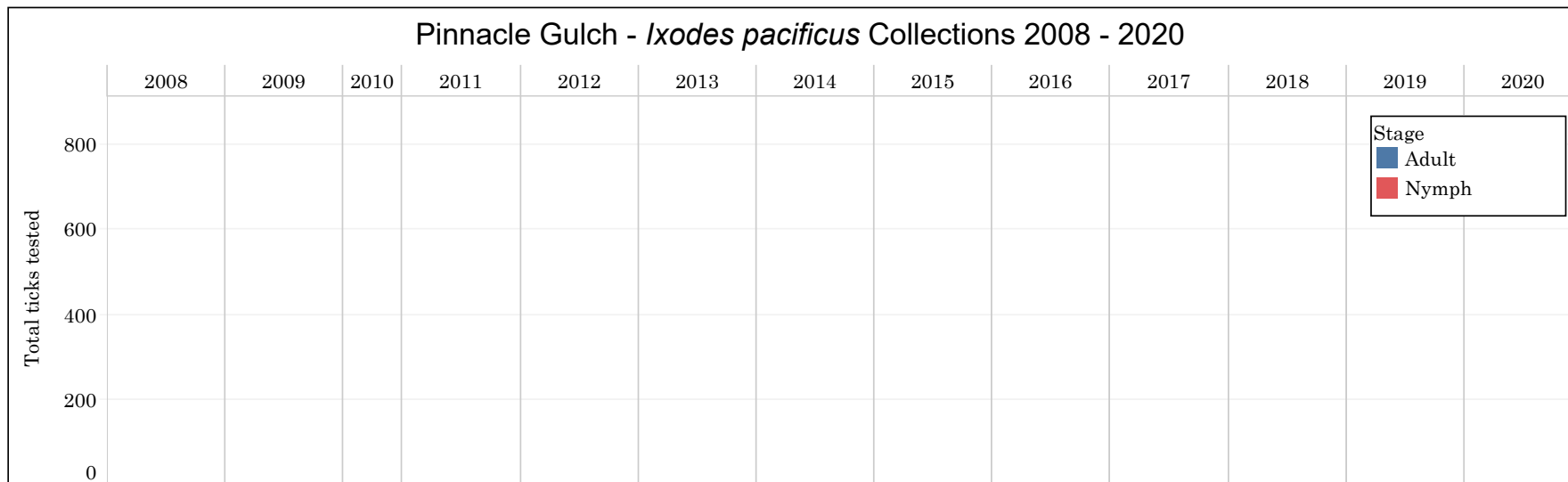


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
North Sonoma Mountain Regional Park	Adult	325	16	4.92%
	Nymph	220	14	6.36%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



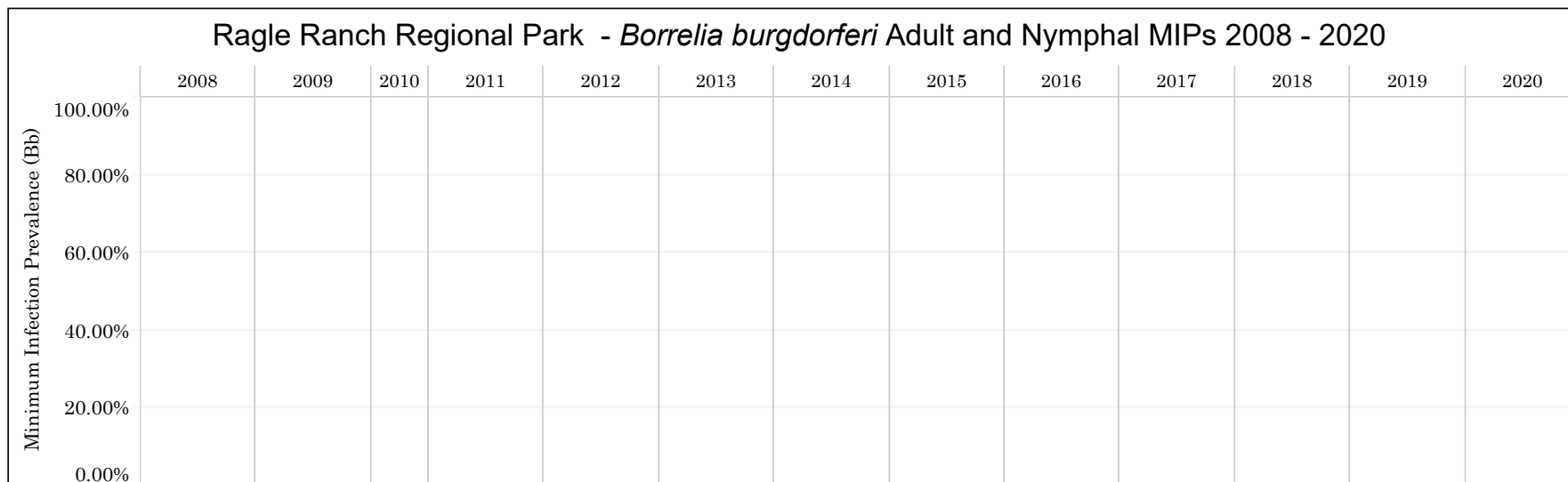
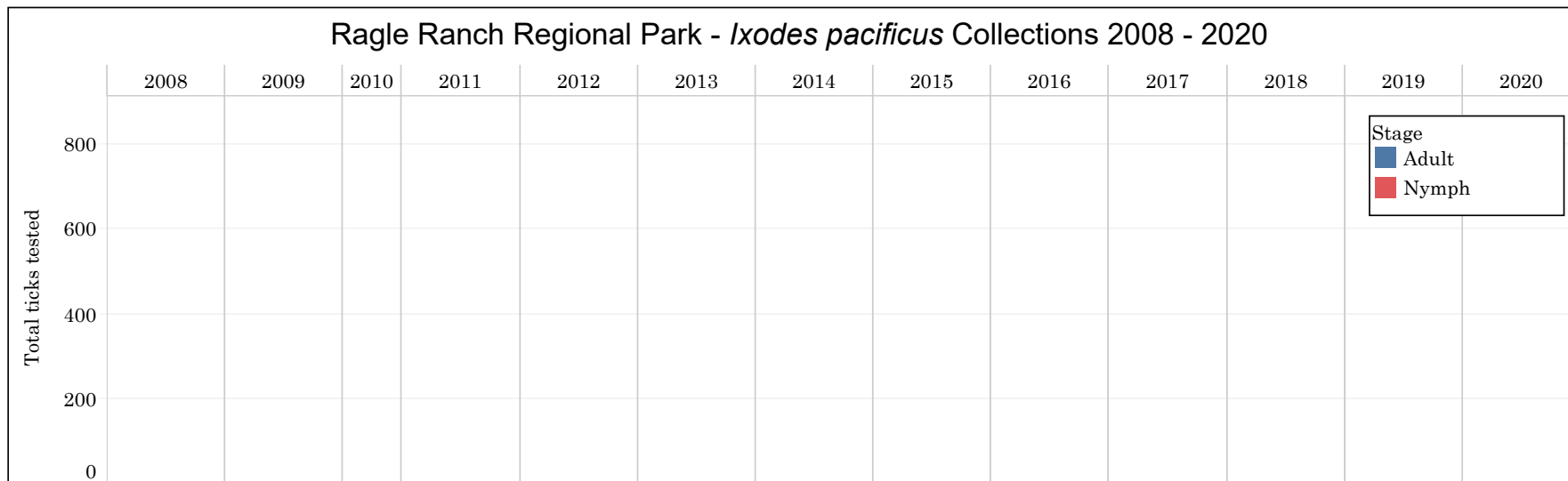


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Pinnacle Gulch	Adult	2	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



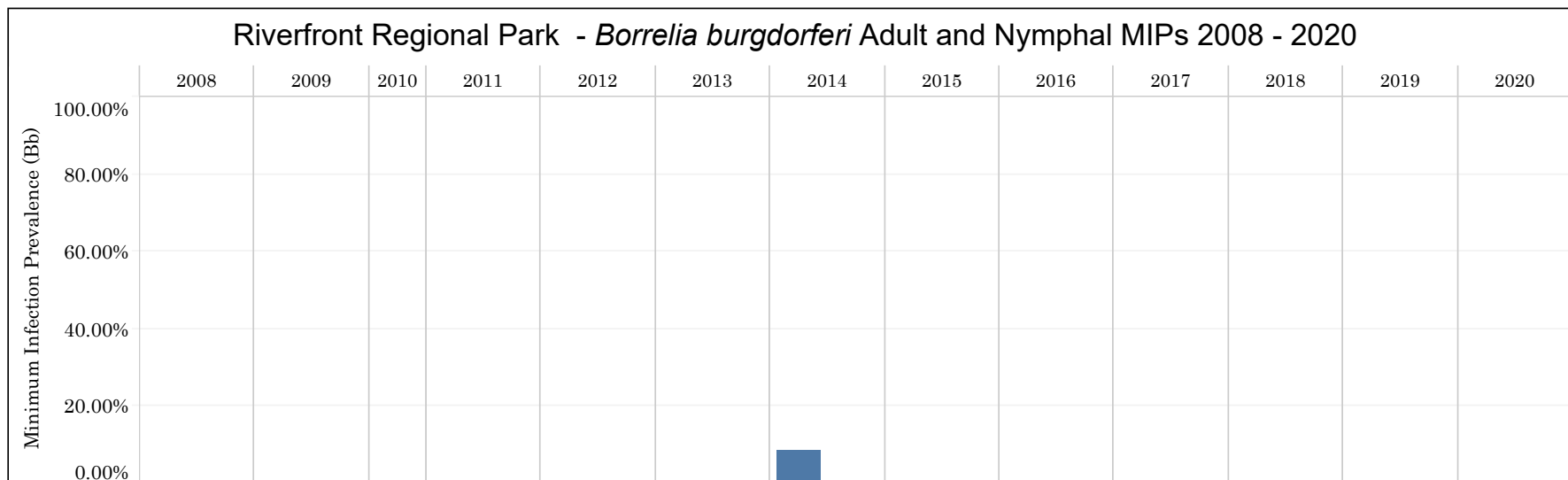
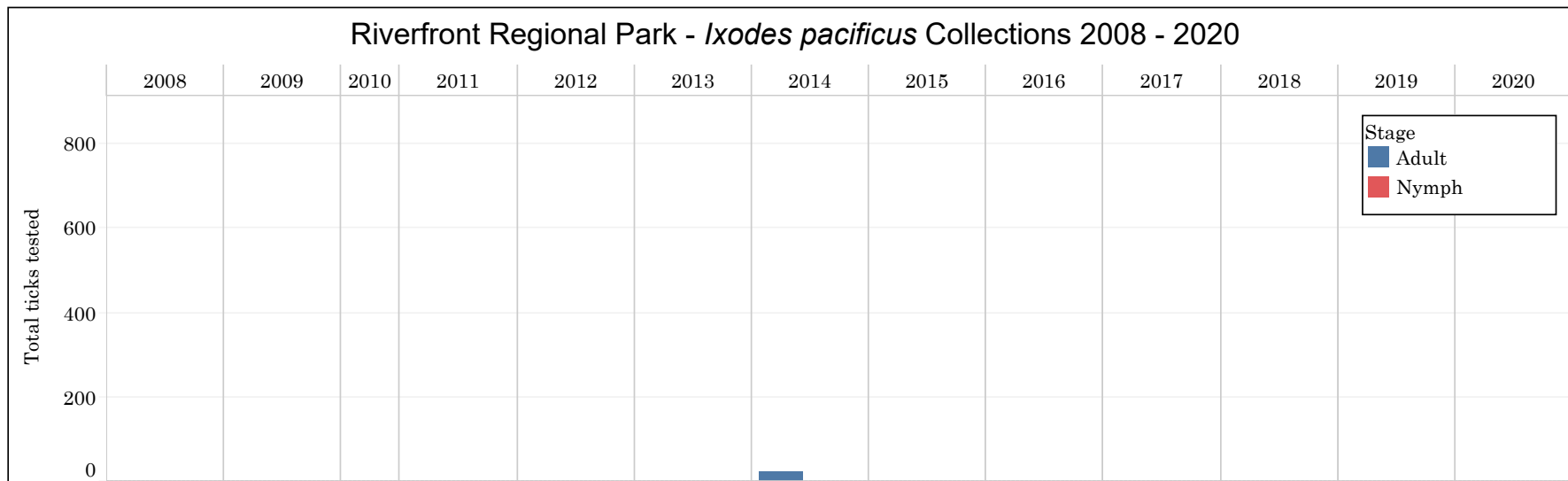


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	B. burgdorferi (+) pools	Minimum Infection Prevalence (Bb)
Ragle Ranch Regional Park	Nymph	5	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



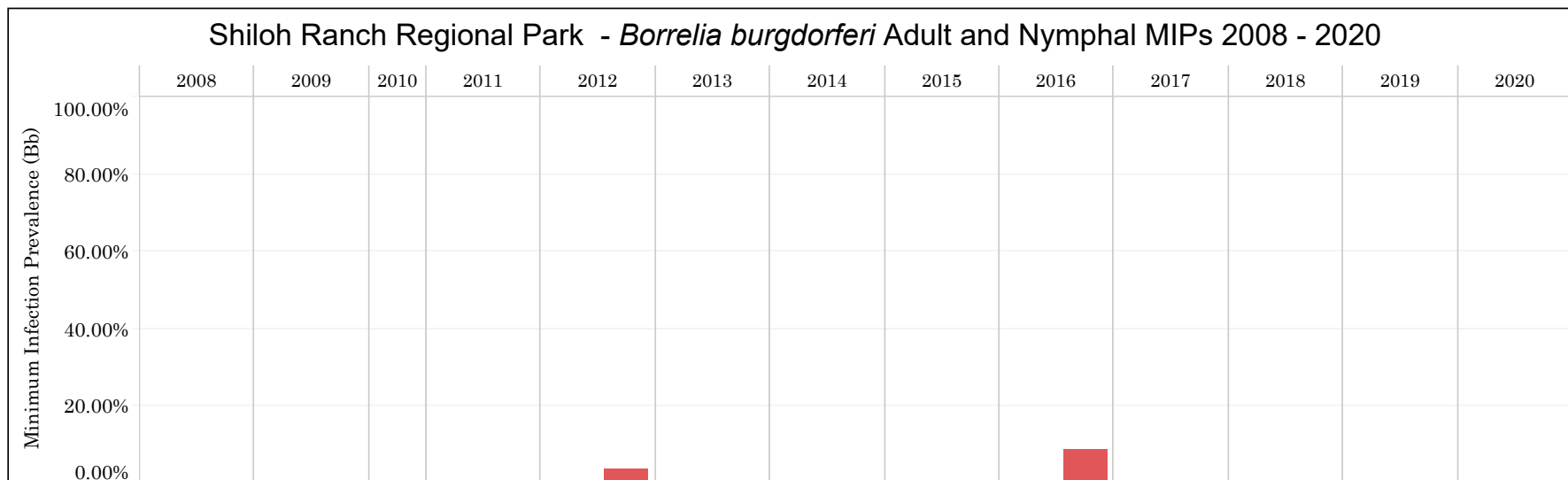
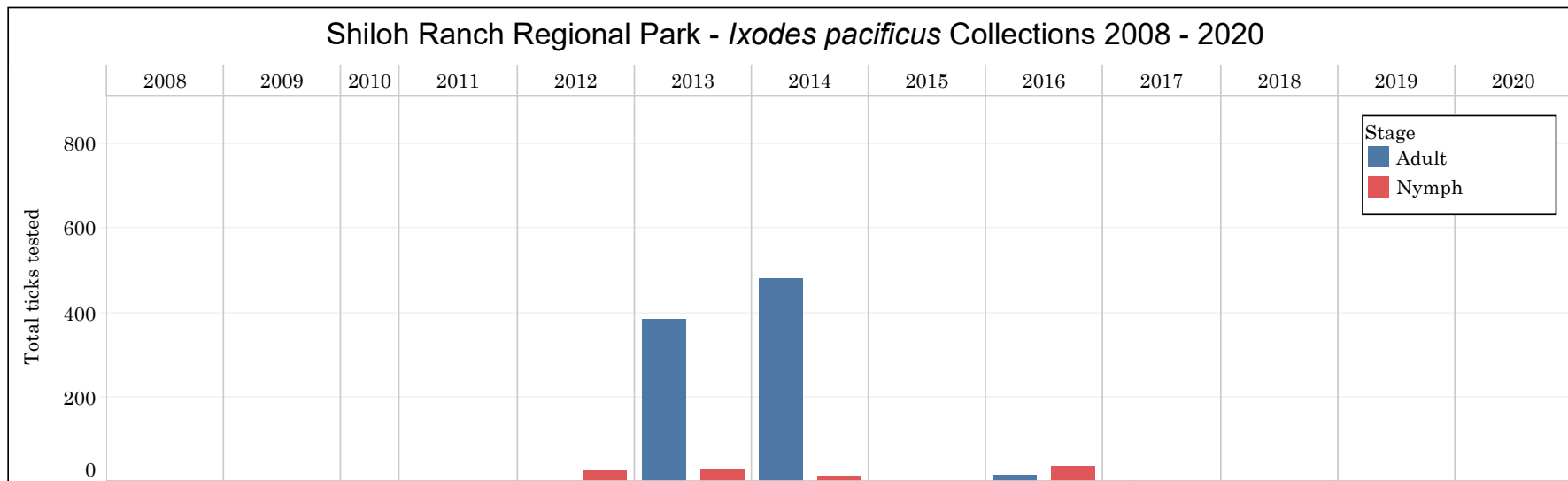


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Riverfront Regional Park	Adult	23	2	8.70%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



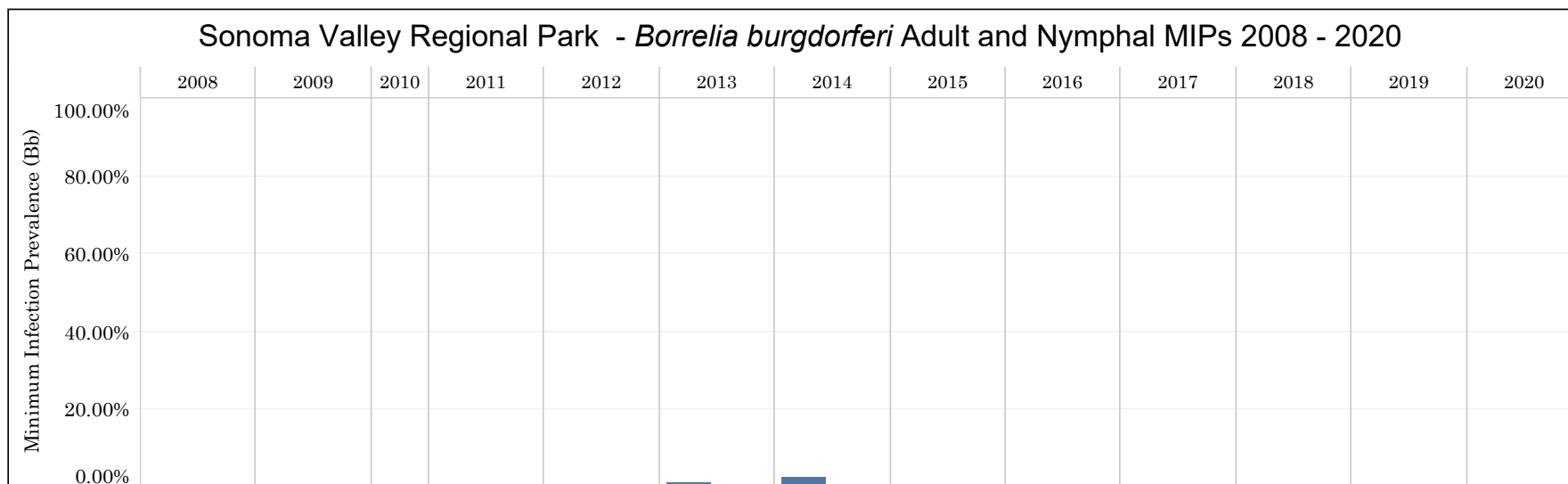
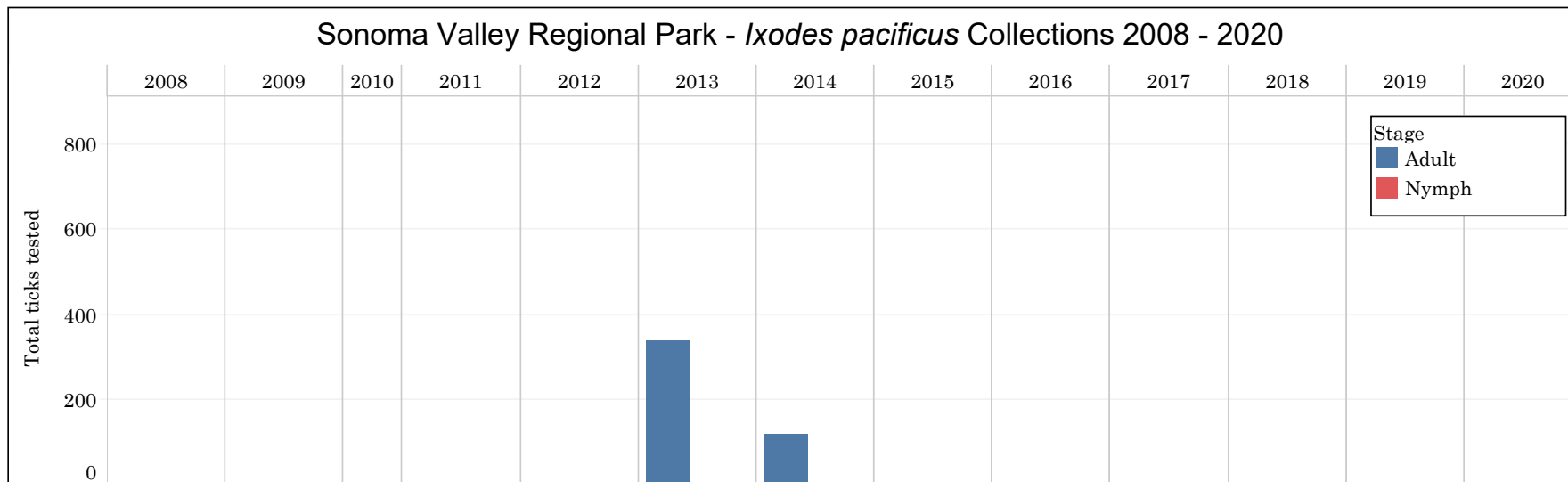


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Shiloh Ranch Regional Park	Adult	881	4	0.45%
	Nymph	97	4	4.12%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



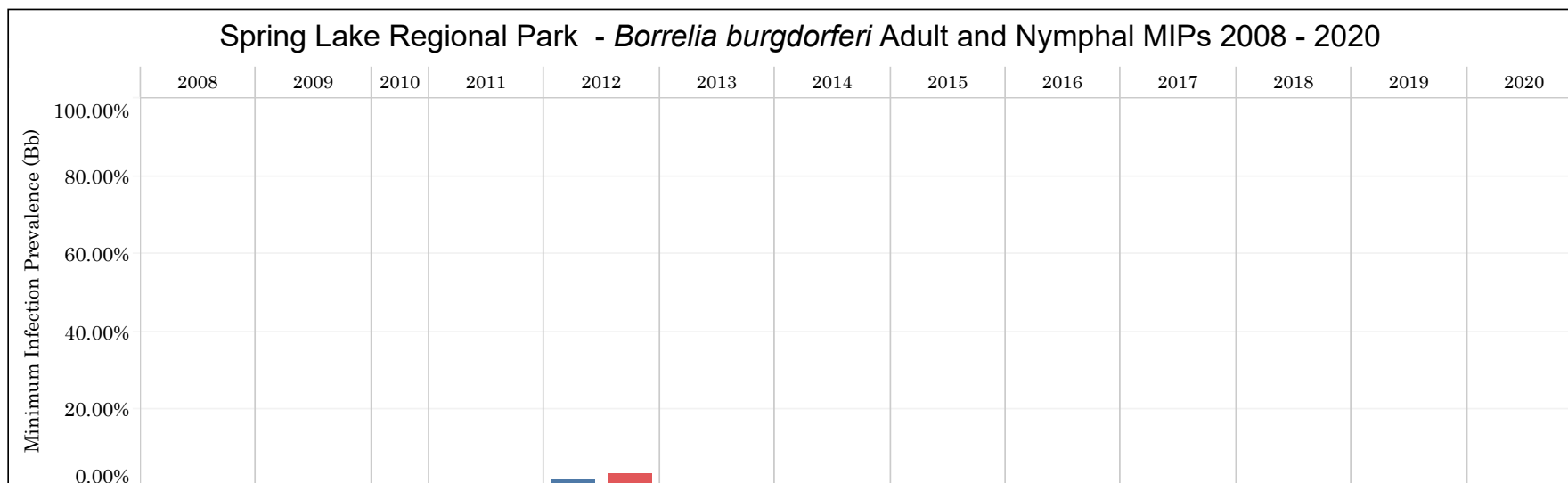
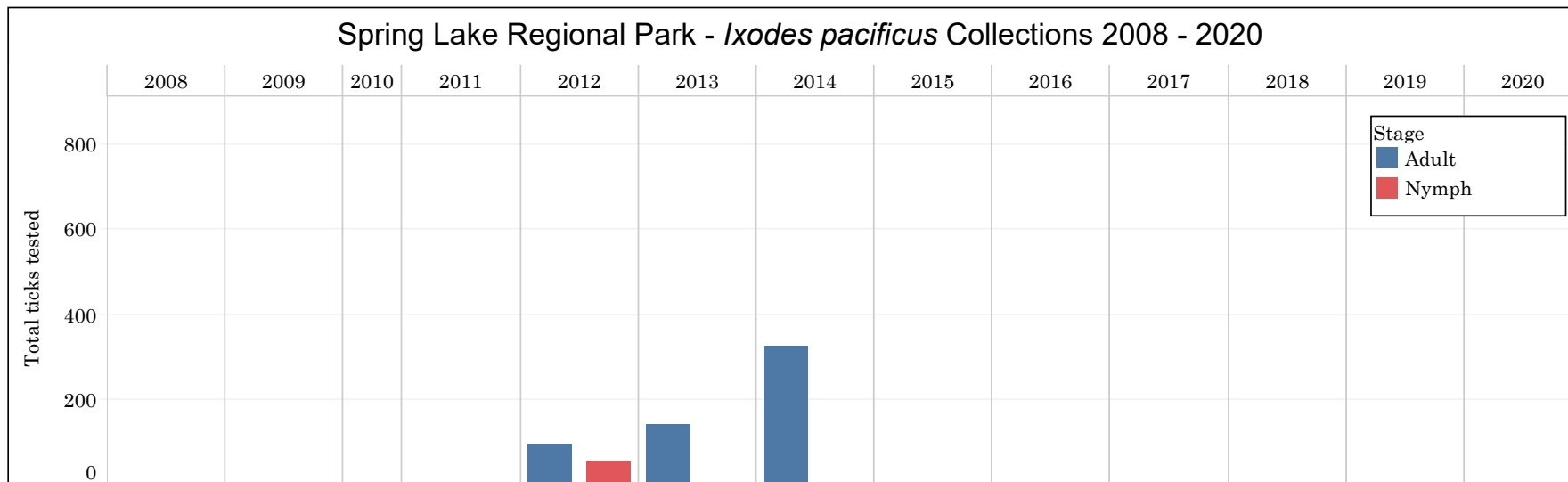


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Sonoma Valley Regional Park	Adult	457	7	1.53%
	Nymph	2	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



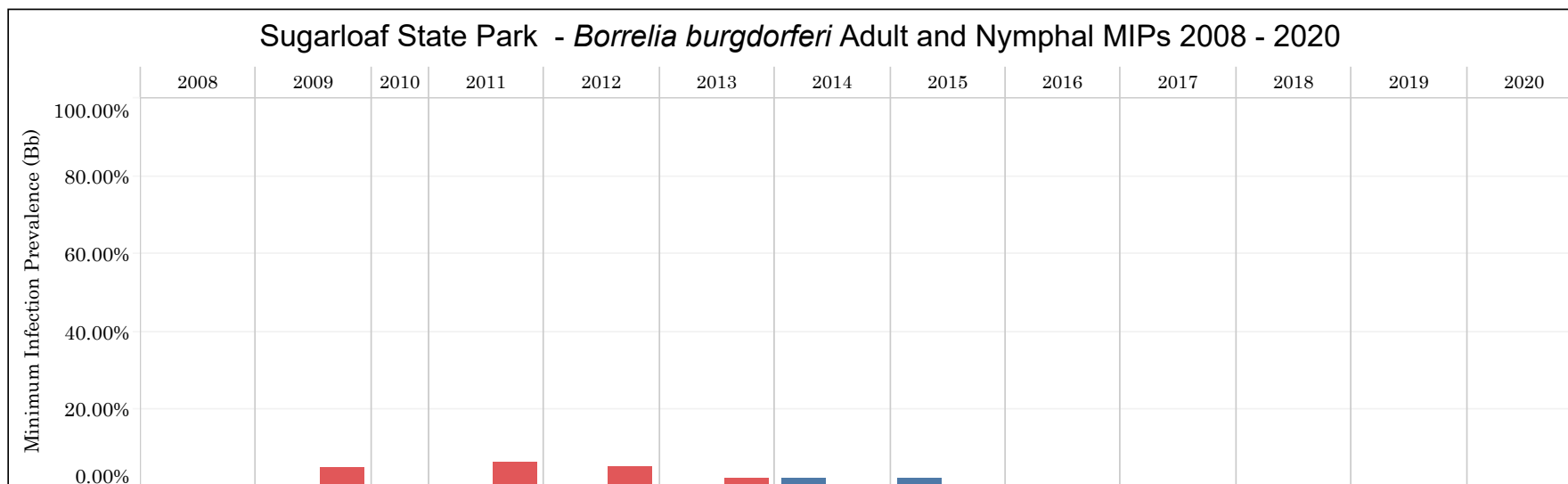
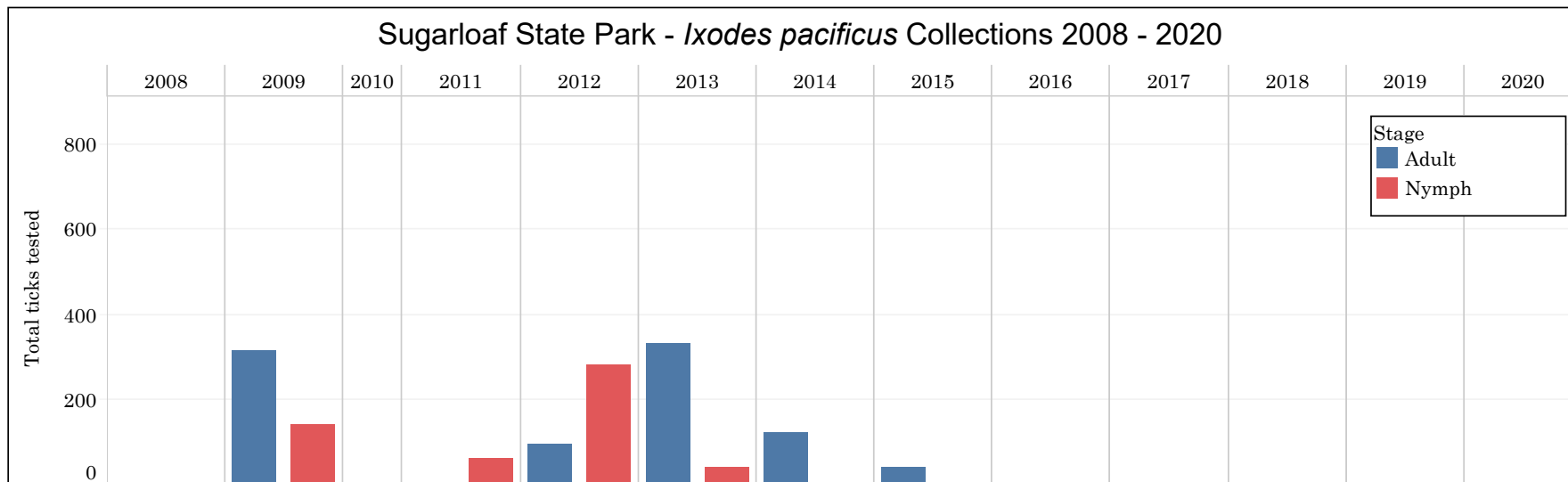


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Spring Lake Regional Park	Adult	560	6	1.07%
	Nymph	59	2	3.39%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



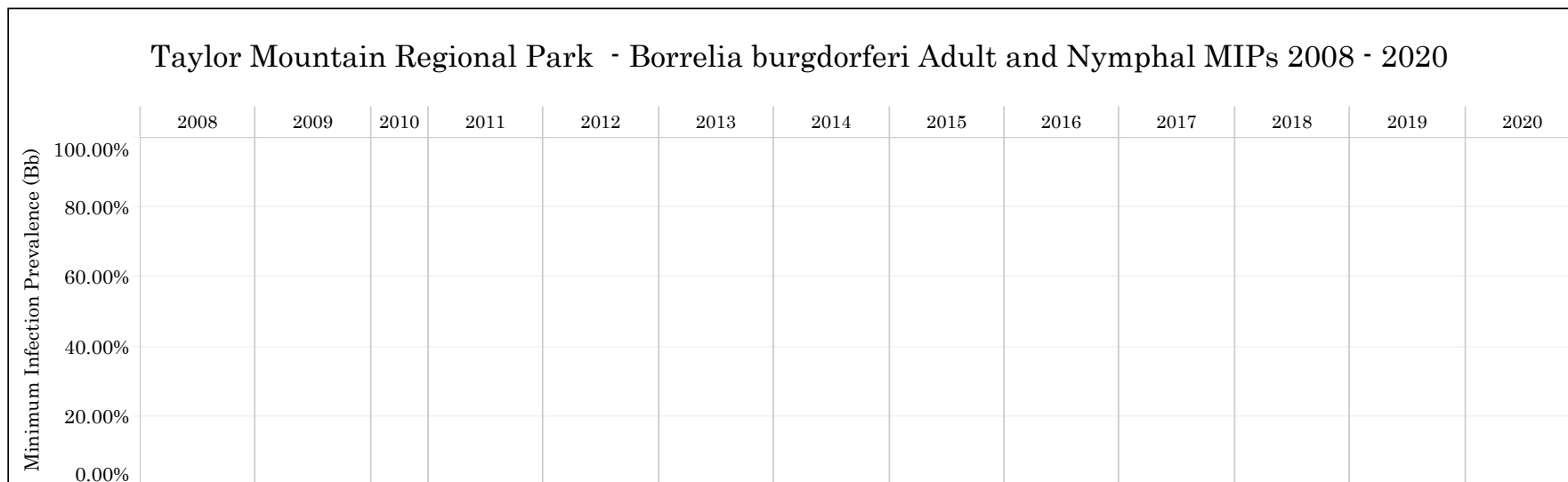


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Sugarloaf State Park	Adult	898	8	0.89%
	Nymph	521	27	5.18%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100



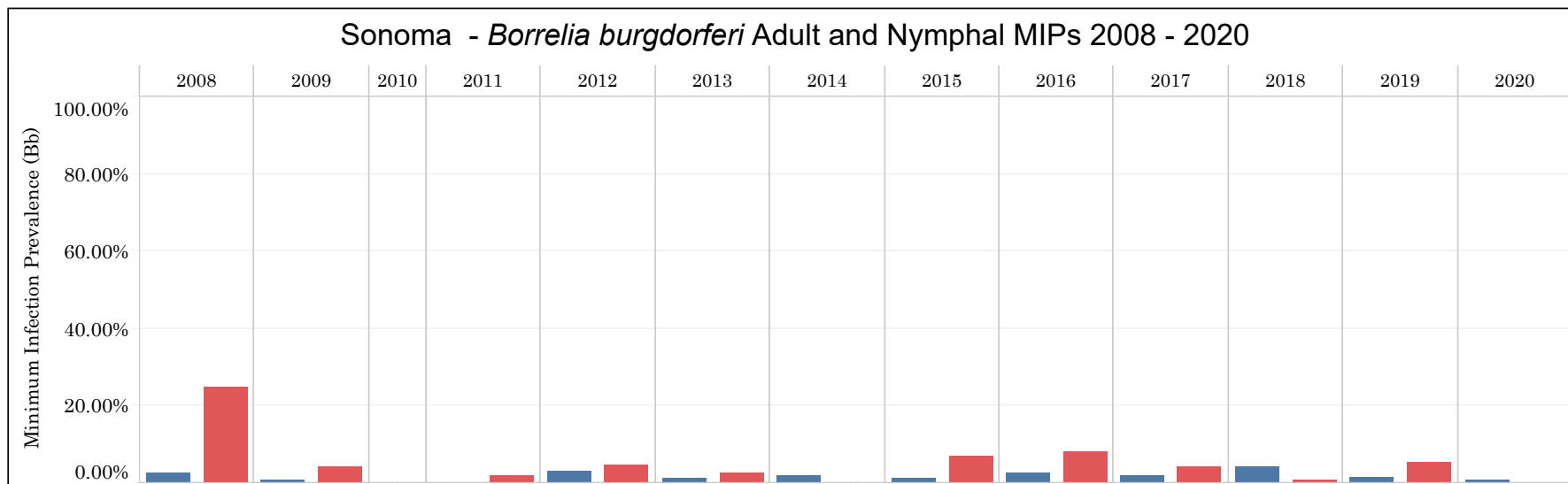
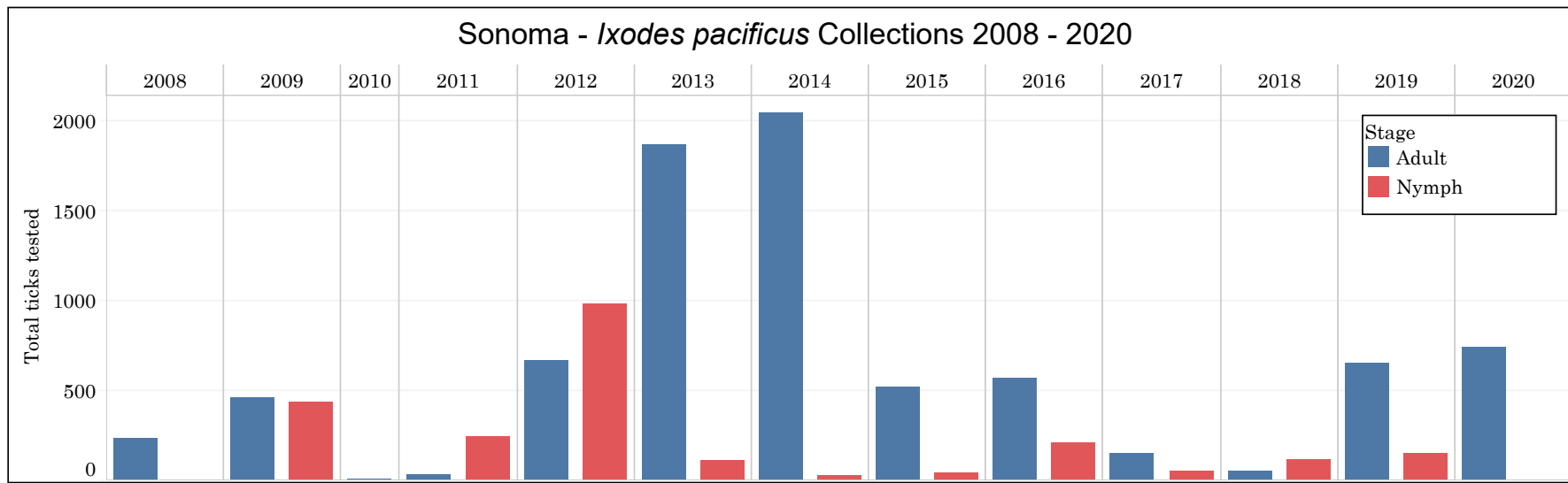


Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

Park	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Taylor Mountain Regional Park	Adult	275	0	0.00%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100





Ixodes pacificus tested for *Borrelia burgdorferi* 2008 - 2020

County	Stage	Total ticks tested	<i>B. burgdorferi</i> (+) pools	Minimum Infection Prevalence (Bb)
Sonoma	Adult	7,978	135	1.69%
	Nymph	2,360	104	4.41%

Minimum Infection Prevalence (MIP) = (+) tick pools/total ticks tested * 100

