

VECTOR-BORNE DISEASE LABORATORY

SUMMARY OF TICKS FOUND AND INFECTION RATES, 1994-2014

Table 1. History of flagging effort, numbers of adult and nymphal deer ticks, and positivity for *Borrelia burgdoferi*, the agent of Lyme disease, on Islesboro.

Season	Year	Effort		Abundance		Positivity			ERI <sup>a</sup>
		Hours	Ticks/hour	Ticks/hour	Tested	Positive	% Positive		
Summer - Nymphs	1994	3.3	0	0.0					
	1997	8.9	4	0.5	6	0	0.0	0.0	
	2010	10.8	8	0.7	6	0	0.0	0.0	
	2011	12.8	139	10.8	136	44	32.4	3.5	
	2012	13.5	107	7.9	50	7	14.0	1.1	
	2013	8.9	175	19.6	38	12	31.6	6.2	
	2014	7.6	59	7.7	58	12	20.7	1.6	
Fall - Adults	1996	16.8	2	0.1	.	.	.		
	1997	18.5	5	0.3	5	0	0.0	0.0	
	2006	9.2	22	2.4	33	8	24.2	0.6	
	2009	31.3	92	2.9	92	45	48.9	1.4	
	2010	11.6	94	8.1	78	37	47.4	3.9	
	2011	9.3	222	24.0	89	50	56.2	13.5	
	2012	9.9	239	24.1	106	56	52.8	12.7	
	2013	9.5	213	22.3	77	28	36.4	8.1	
2014	10.2	150	14.7	80	25	31.2	4.6		

<sup>a</sup>ERI, entomological risk index, is the number of *B. burgdoferi* -infected ticks encountered per hour of exposure.