

**USDA-APHIS-WILDLIFE SERVICES
PROJECT SUMMARY REPORT**

Village of Fayetteville White-tailed Deer Damage Management Program Tick and Deer Surveys

Cooperators

Village of Fayetteville

USDA-APHIS-Wildlife Services
5757 Sneller Rd
Brewerton, NY 13029

Effective Date

10/01/2016

Completion Date

07/01/2018

Background

An overabundant deer population within the village of Fayetteville is reported to affect homeowners and their ornamental plantings, increasing risks of deer-vehicle collisions and Lyme disease to people and pets, reduce nesting migratory birds dependent on shrub type nesting habitat, and some wild herbaceous plants. The conflicts with deer are reported to have been in the making for years.

Objectives

The Village of Fayetteville has requested assistance from Wildlife Services to document and provide data on tick numbers as metrics to monitor the effectiveness of the deer reduction program within the village.

Methods

Wildlife Services conducted two standardized tick sampling efforts at six locations. One tick sampling effort was conducted in the fall prior to deer management and the second in the spring after the deer management was completed.

Results

Tick surveys conducted in the fall of 2016 prior to deer management in the village were higher than those conducted in the spring after the deer management was completed in the village (Table 1). FLIR surveys to document deer numbers within the village were conducted once per quarter and the results are shown in Table 2.

Table 1. 2016-2018 Village of Fayetteville Tick Survey Results.

	Number of Ticks Surveyed		
	Sites with Deer Management	Sites without Deer Management	Total Ticks
2016 Fall Survey	108	180	288
2017 Spring Survey	14	4	18
2017 Fall Survey	15	3	18
2018 Spring Survey	0	1	1

Recommendations

Continue monitoring tick numbers each year to develop long term data set to monitor the effectiveness of the deer management program over time on tick numbers within the village.

