Deer Immunocontraception Implementation
Phase I: 2014

Village of Hastings-on-Hudson
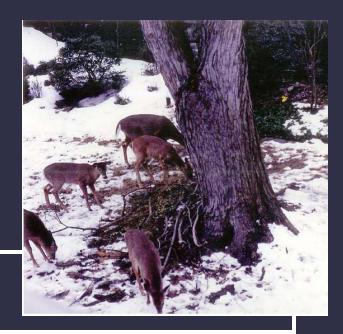
Agenda

- **Quick History (Peter)**
- **Phase 1 Implementation (Rick)**
- **Volunteer Roles (Peter & Allen)**

The Problem
in numbers

- 100+ cases of Lyme disease a year, some devastating in consequence
- Serious forest degradation including decimation of the understory
- At least 20 car accidents a year
- $500K plus in property damage/cost
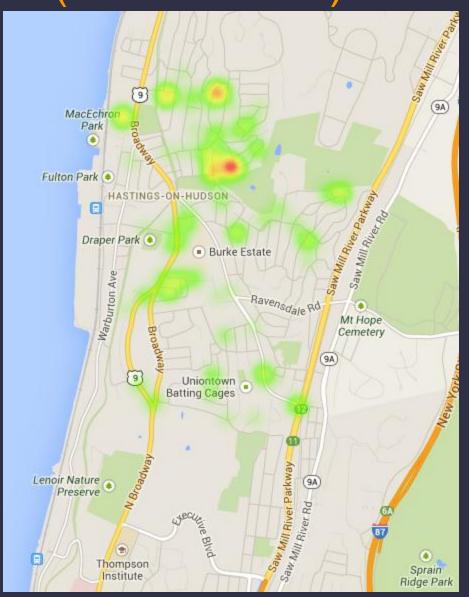- Total economic damage in excess of $1 million a year

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The Implementation Team

- Immunocontraception study will be run by Dr. Rutberg of Tufts University

- Implementation this year will be by a Humane Society specialist who will carry out the darting, Rick Naugle

- Local metrics will be run by local volunteers.

Deer Location (beta version)

- Volunteers have entered 450+ loggings into a system created and monitored by resident Richard Ryan.

- Student Jordan Alligood created a javascript program that converts the data and then imports it into a heat map where we can see the greatest reported activity.

Overview

- Immunocontraception controls deer by inducing infertility in does.

- In other experiments, numbers have been brought down by more than 50% in 4-5 years.

- Deer are darted with anesthetics and then injected with a contraceptive that works for 2 years.

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Volunteer Roles

- Phase 1: Implementation
  - Access control and site management
  - Deer tracking (following darted deer)
  - Logistics support

- Phase 1: Metrics
  Project owners and participants
  - Continued deer sighting logging
  - Hosta honey-pots
  - Wood plots
  - Other metrics gathering