

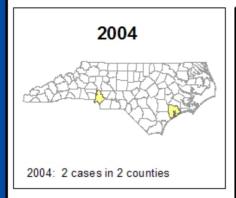
Nolan H. Newton, Ph.D. Chief, PHPM Section NCDENR

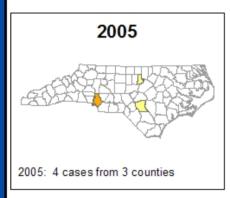
## Dry, Dry, Dry

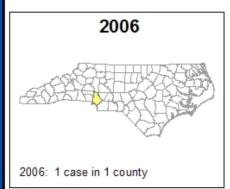
- Worst drought on record...112 years
- CO<sub>2</sub> baited CDC light traps yielded 0-2 skeeters/night
- About 500 pools tested
- No WNV or EEE found in pools
- No WNV or EEE + horses!

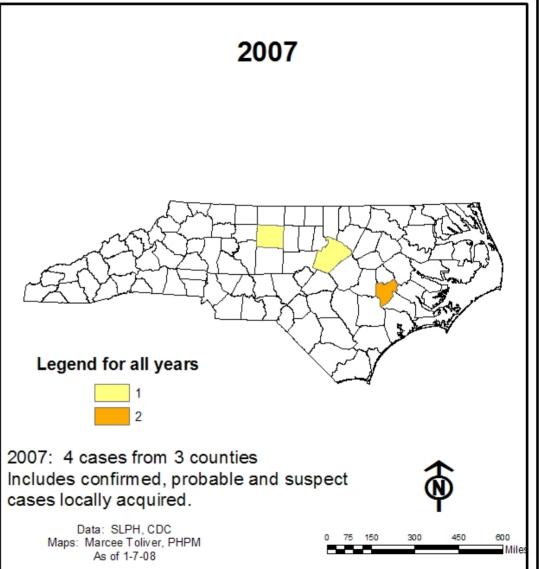
# Public Health Pest Management, NC DENR

### West Nile Virus Surveillance - Human



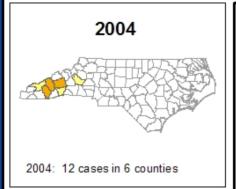


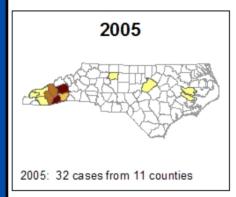


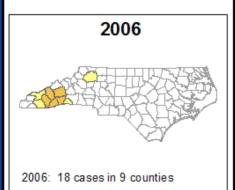


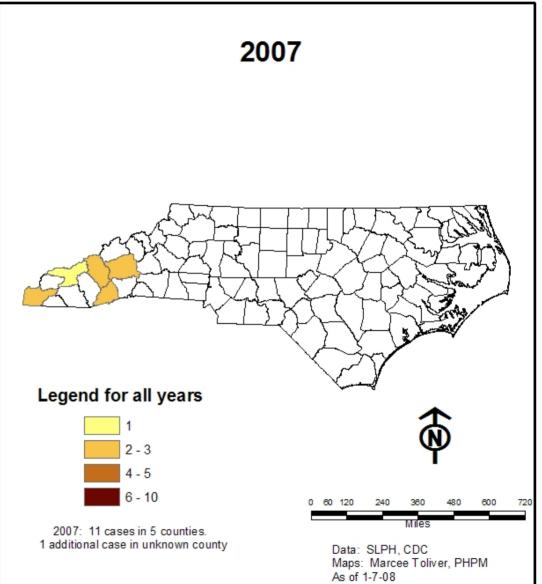
# Public Health Pest Management, NC DENR

## LaCrosse Encephalitis Surveillance - Human



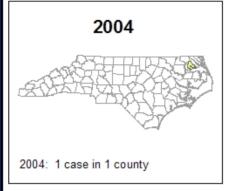


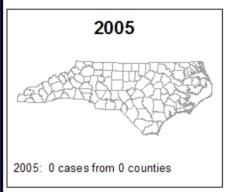


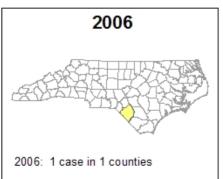


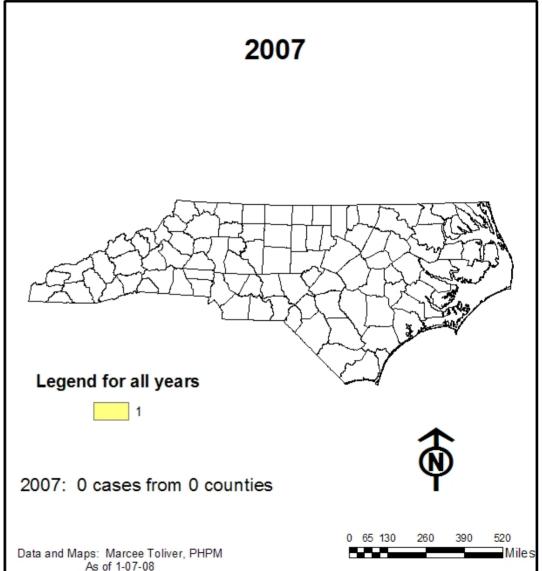
# Public Health Pest Management, NC DENR

## Eastern Equine Encephalitis Surveillance - Human



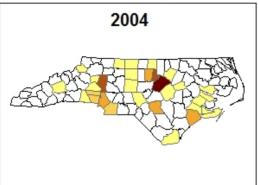


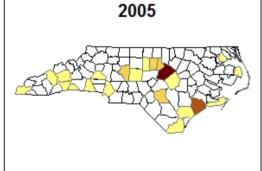


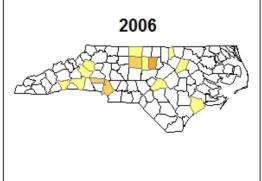


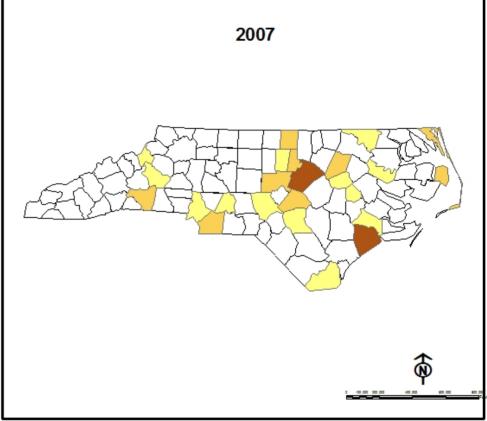
## Public Health Pest Management

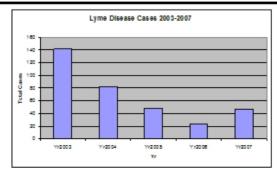
## Lyme Disease - Human Cases

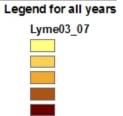












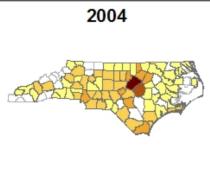
All data based on year of onset

DATA: Dept. of Health& Human Services MAPS: Marcee Toliver, NC DENR, PHPM 3-20-08



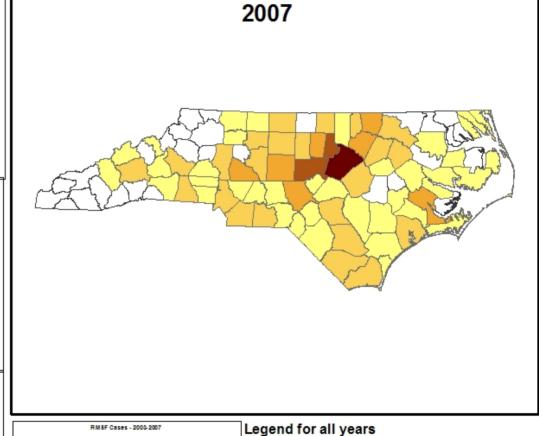
## Public Health Pest Management

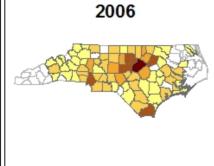
### Rocky Mountain Spotted Fever Surveillance - Human Cases

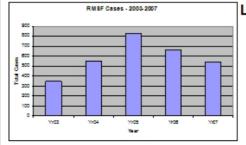


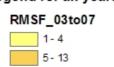
2005













24 - 4344 - 101 Data: NC Department of Health and Human

Services Maps: Marcee Toliver NC DENR, PHPM 03-20-07

All data based on year of onset



## Rickettsia amblyomii

- NCSU and NCDENR study in 2006-2007.
- Found in large % of LST in central NC.
- Seroconfirmed in "Lyme-like" human disease cases in same area.
- Likely association between agent and mild disease.
- More work to be done.

## New funds for tick work!

- Been trying to get funds since 1981.
- Tick-borne disease support group got involved.
- \$145,000 first year, \$139,000 recurring.
- Three demonstration projects in counties.
- New position to work exclusively on ticks.
- Educational efforts and surveys of ticks and pathogens in ticks.