

2005 NC Summary

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Section Chief

PHPM Section, NCDENR

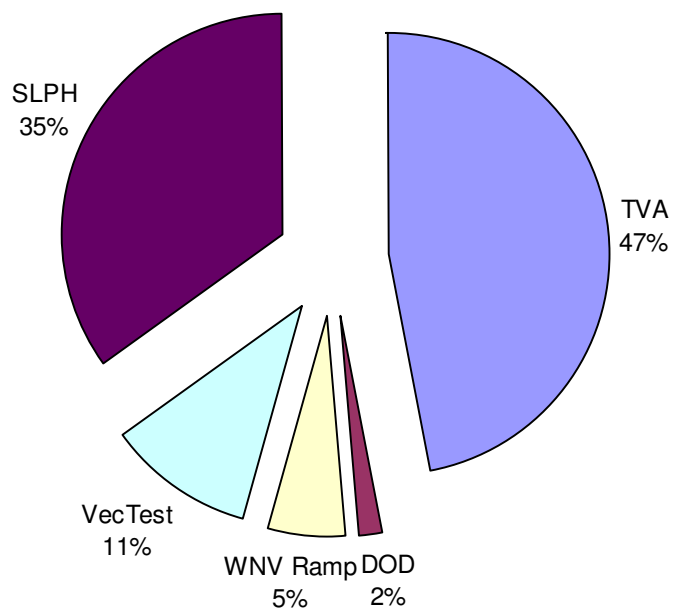
NC Arboviral Summary – Mosquito Pools

- Over 600 trap nights
- 67,375 individuals trapped
 - ◆ 50,267 pooled
 - ◆ 17,108 not pooled
- 2,462 pools
 - ◆ PHPM Staff
 - ◆ Local Agencies
 - ◆ Albemarle Regional HD
 - ◆ Craven County
 - ◆ Brunswick County
 - ◆ New Hanover County
 - ◆ Dept. of Defense



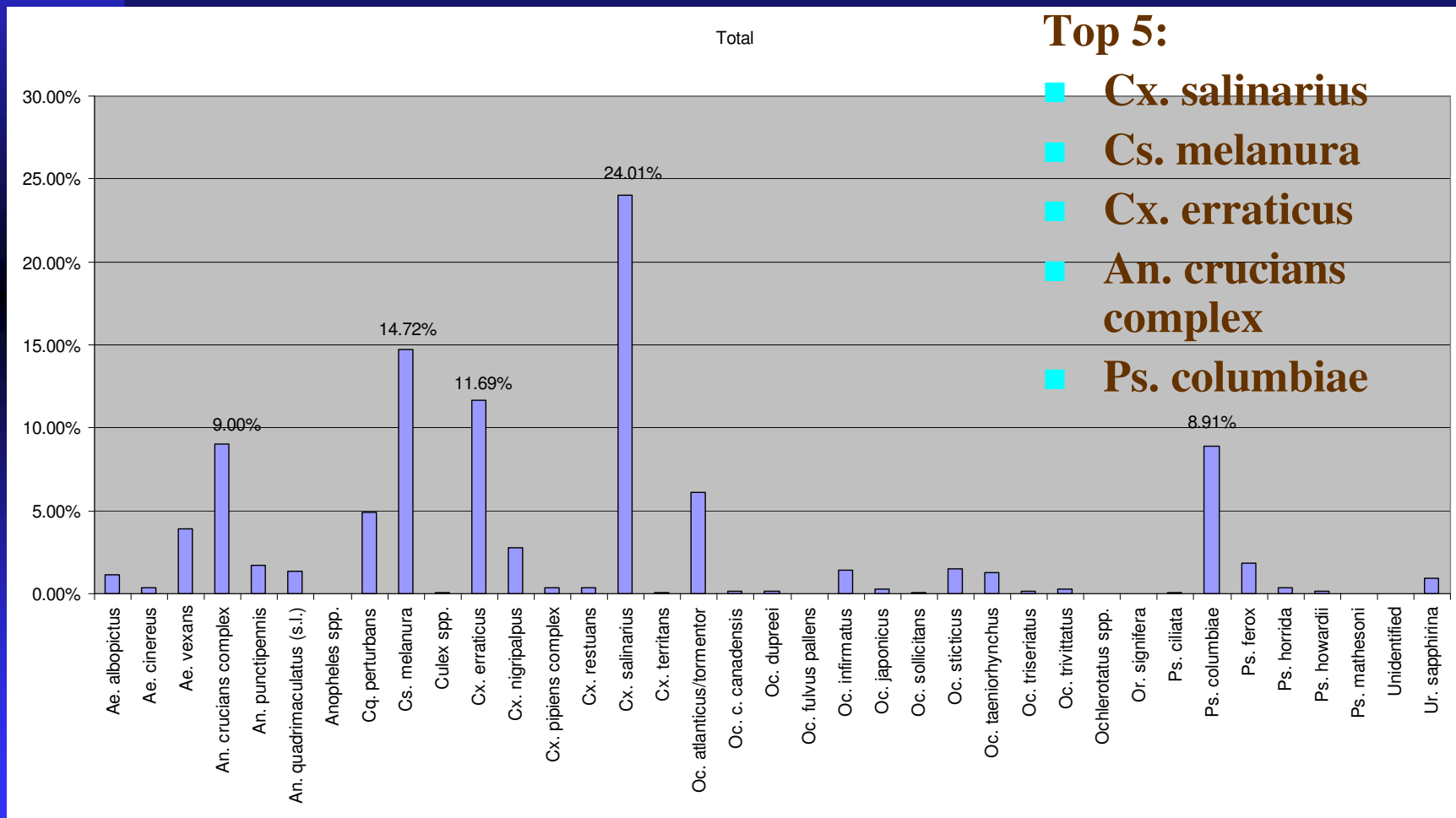
Mosquito Pools: Testing Status

Testing of Mosquito Pools

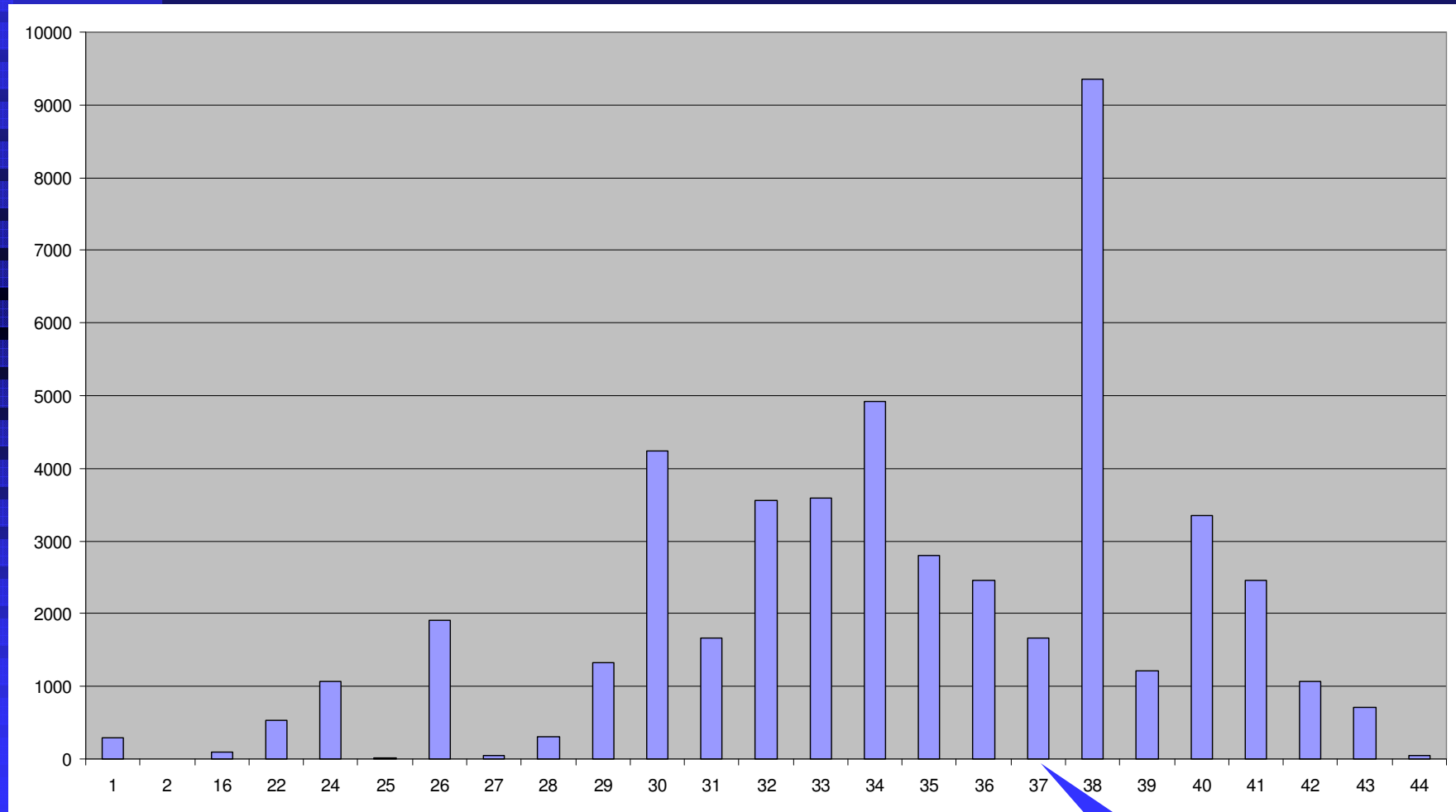


- EEE and WNV:
 - ◆ State Lab: 1080 pools
 - ◆ TVA: 972 pools
 - ◆ DOD: 40 pools
- WNV Only:
 - ◆ Ramp: 105 pools
 - ◆ Vectest: 225 pools
- Total Pools Submitted for Testing: 2,462

Mosquito Pools: Species Trapped

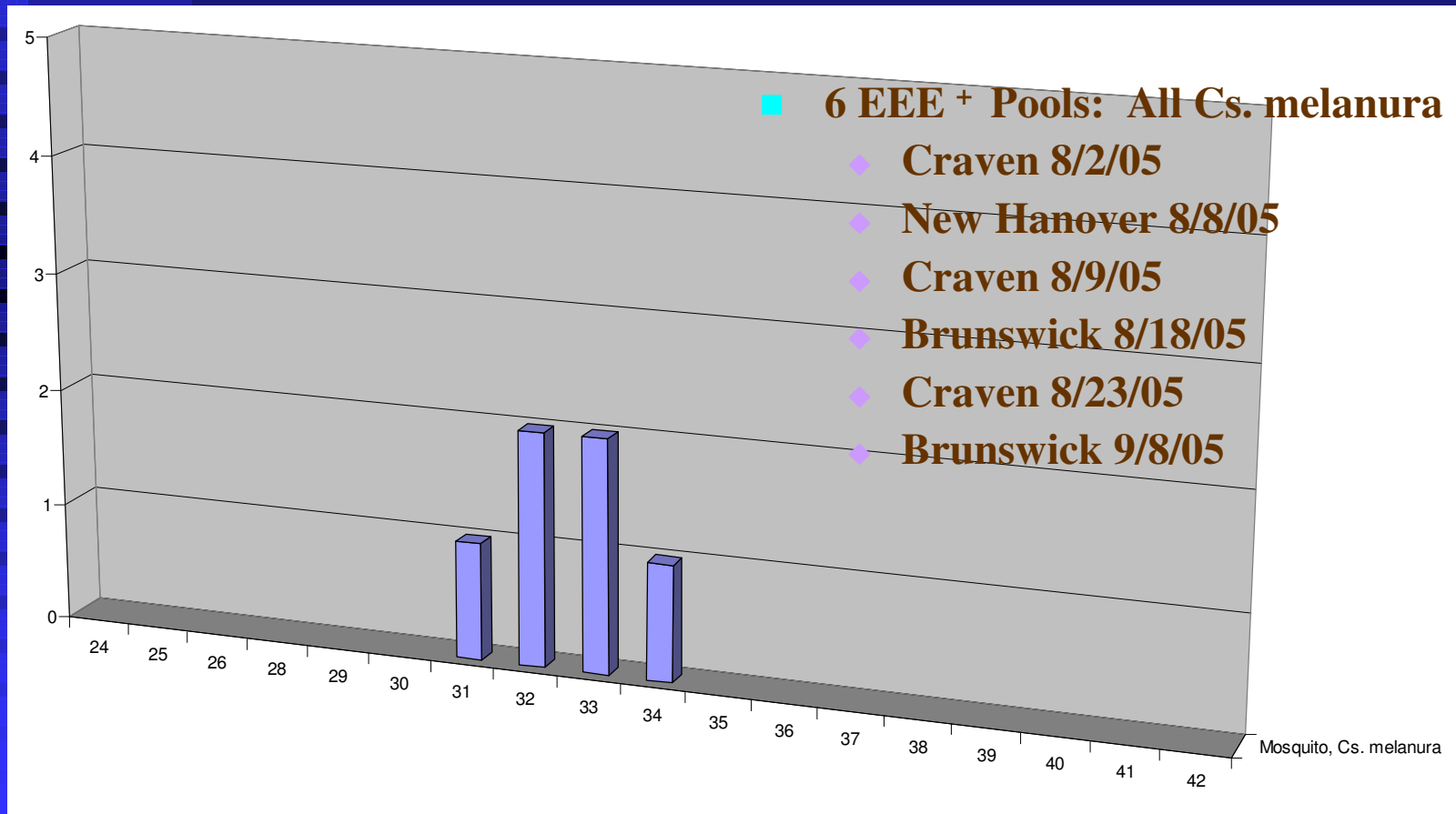


Mosquito Pools: Pooling Season



Ophelia

MP: Positives



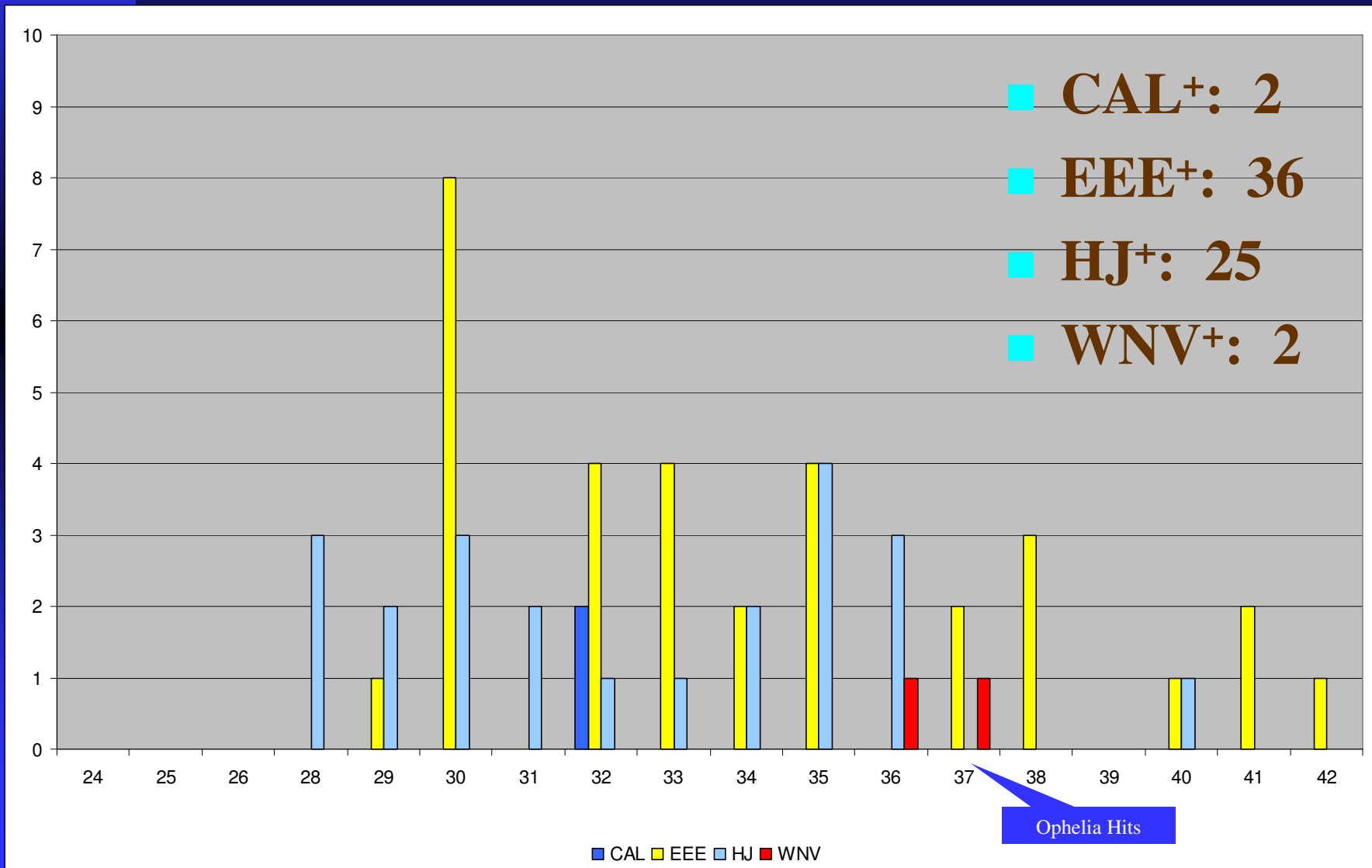
Sentinel Flocks



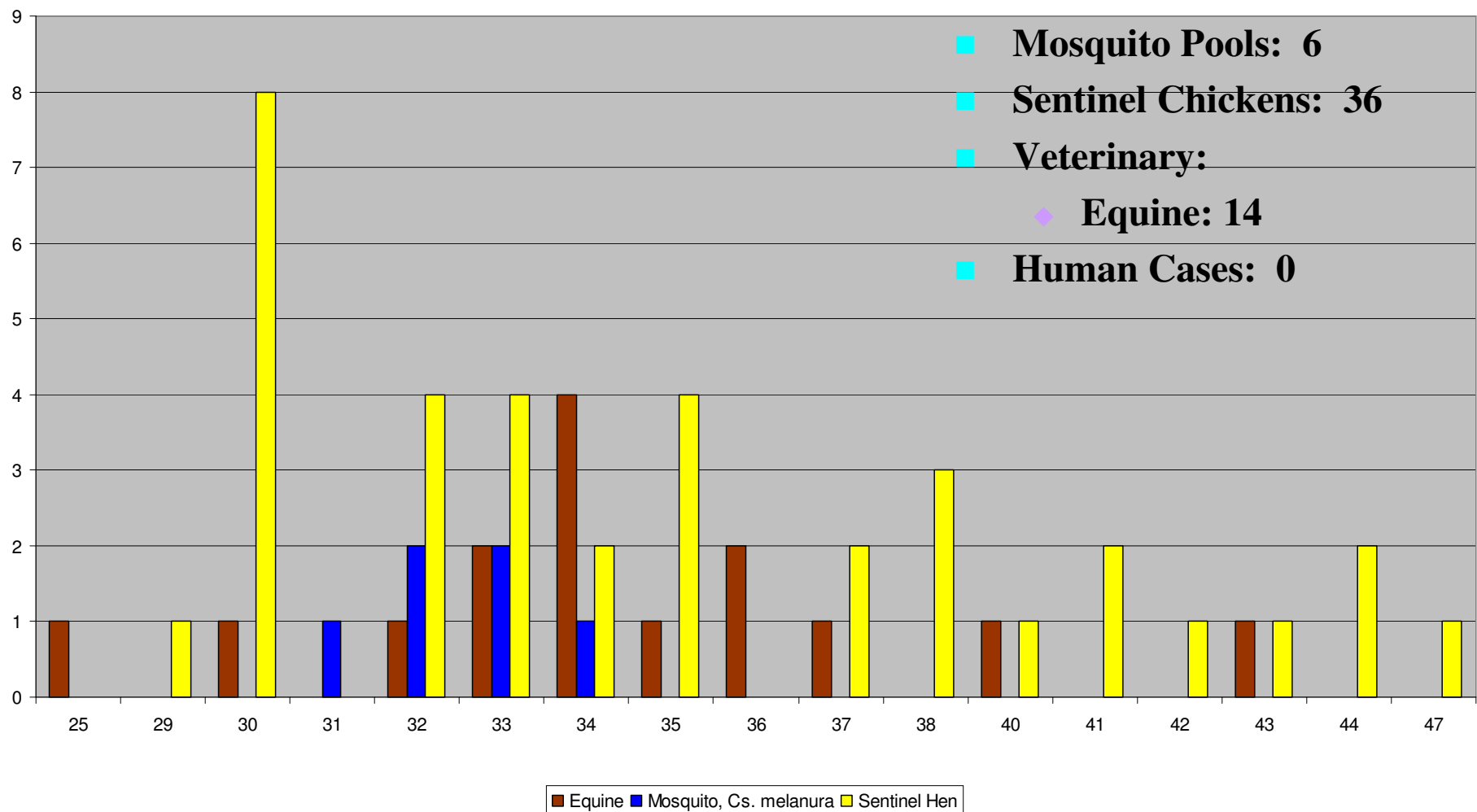
- 20 Flocks
- 16 Counties
- 159 Chickens
- 973 samples tested
- Season from 6/13 to 11/28

•All flocks using filter paper method – no more syringes!

Flocks: Positives

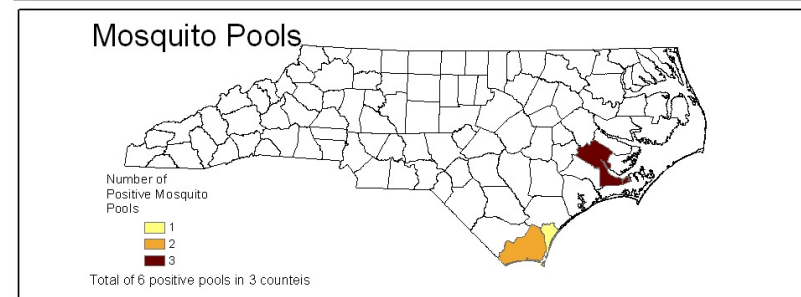
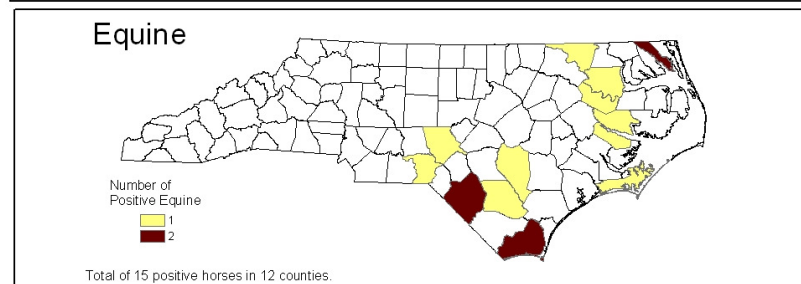
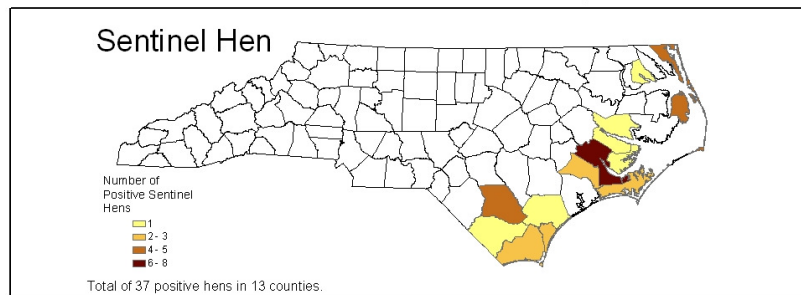


Arbovirus: EEE



Arbovirus: EEE Map

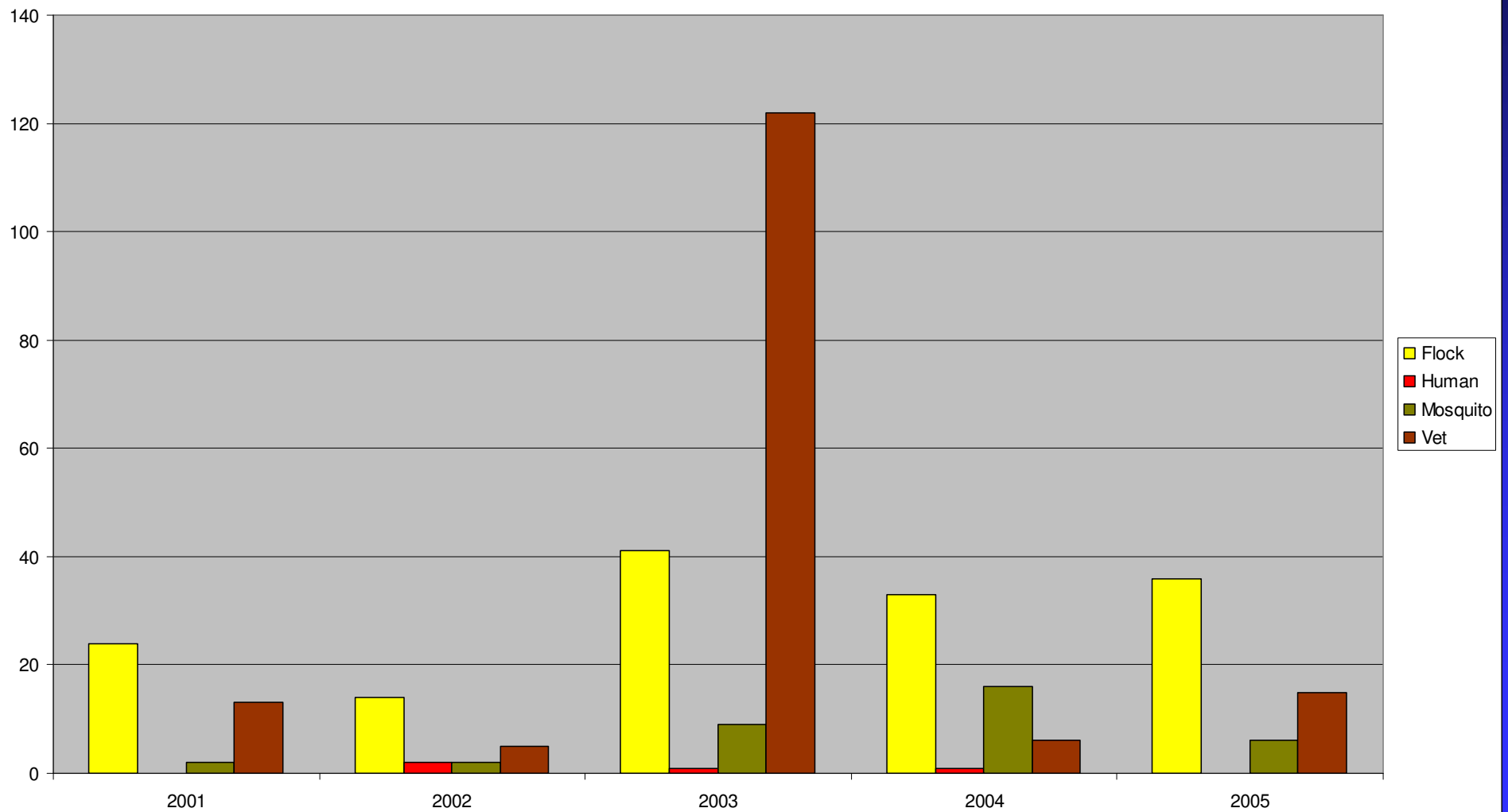
North Carolina
EEE Surveillance as of Dec. 15, 2005



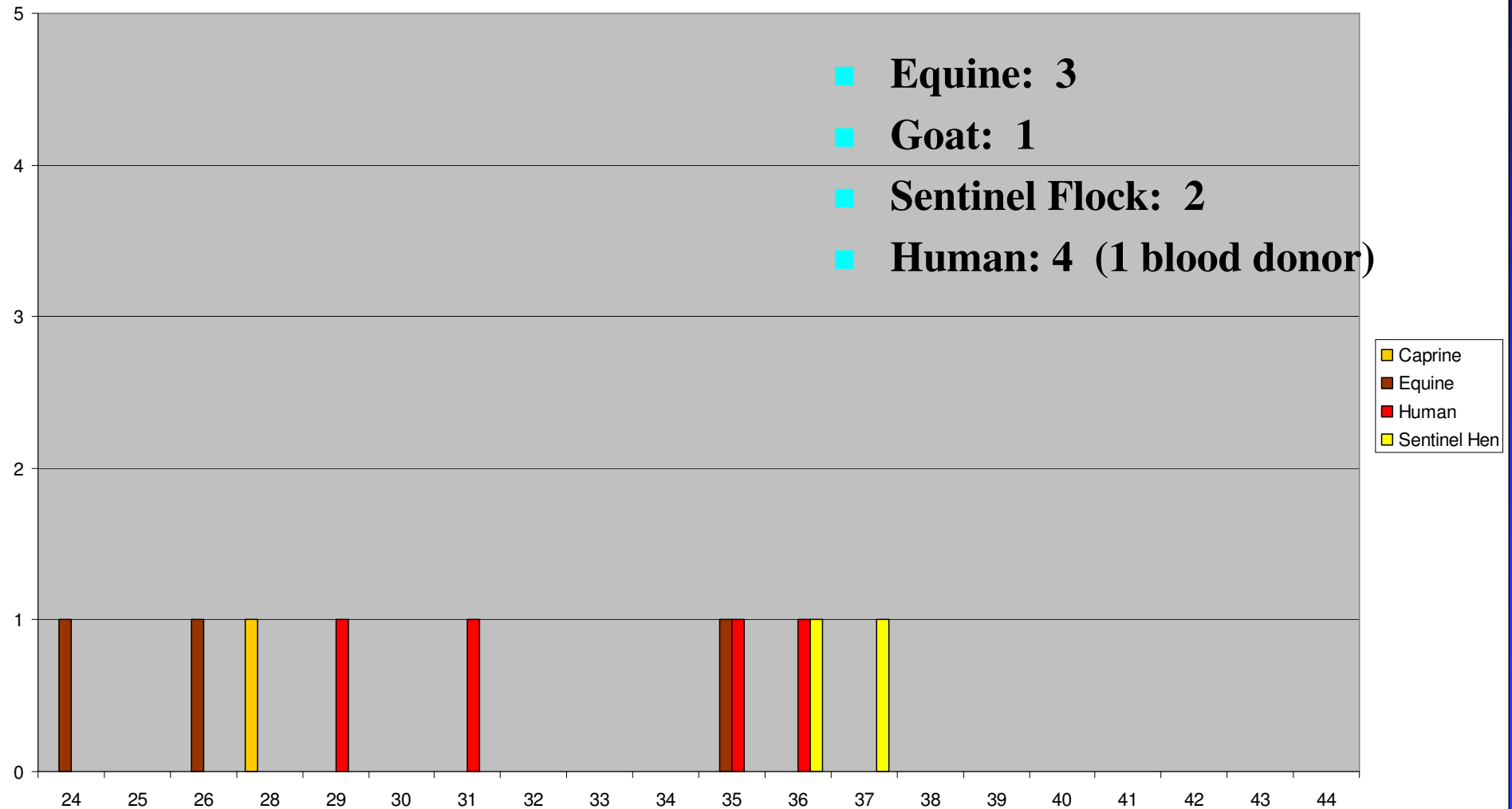
Marcee Toliver, PHM
12/14/05

- Flock: Positives in 13 counties
- Equine: Positives in 12 counties
- Mosquito Pools: Positives in 3 counties

EEE: 2000-2005

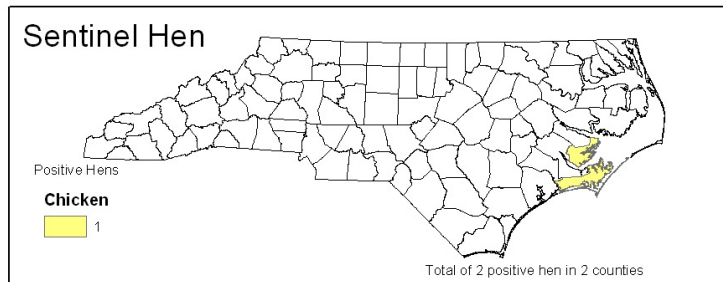
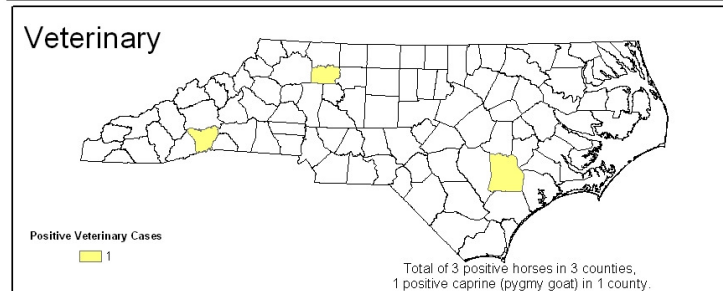
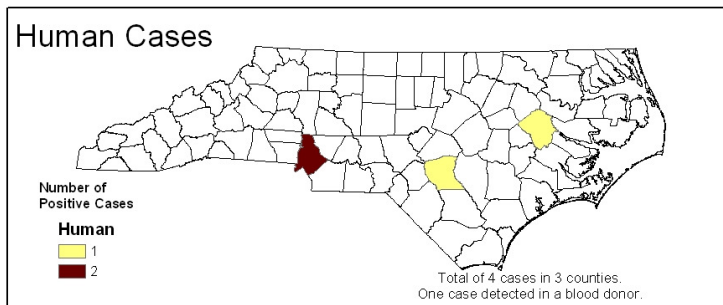


Arbovirus: WNV



Arbovirus: WNV Map

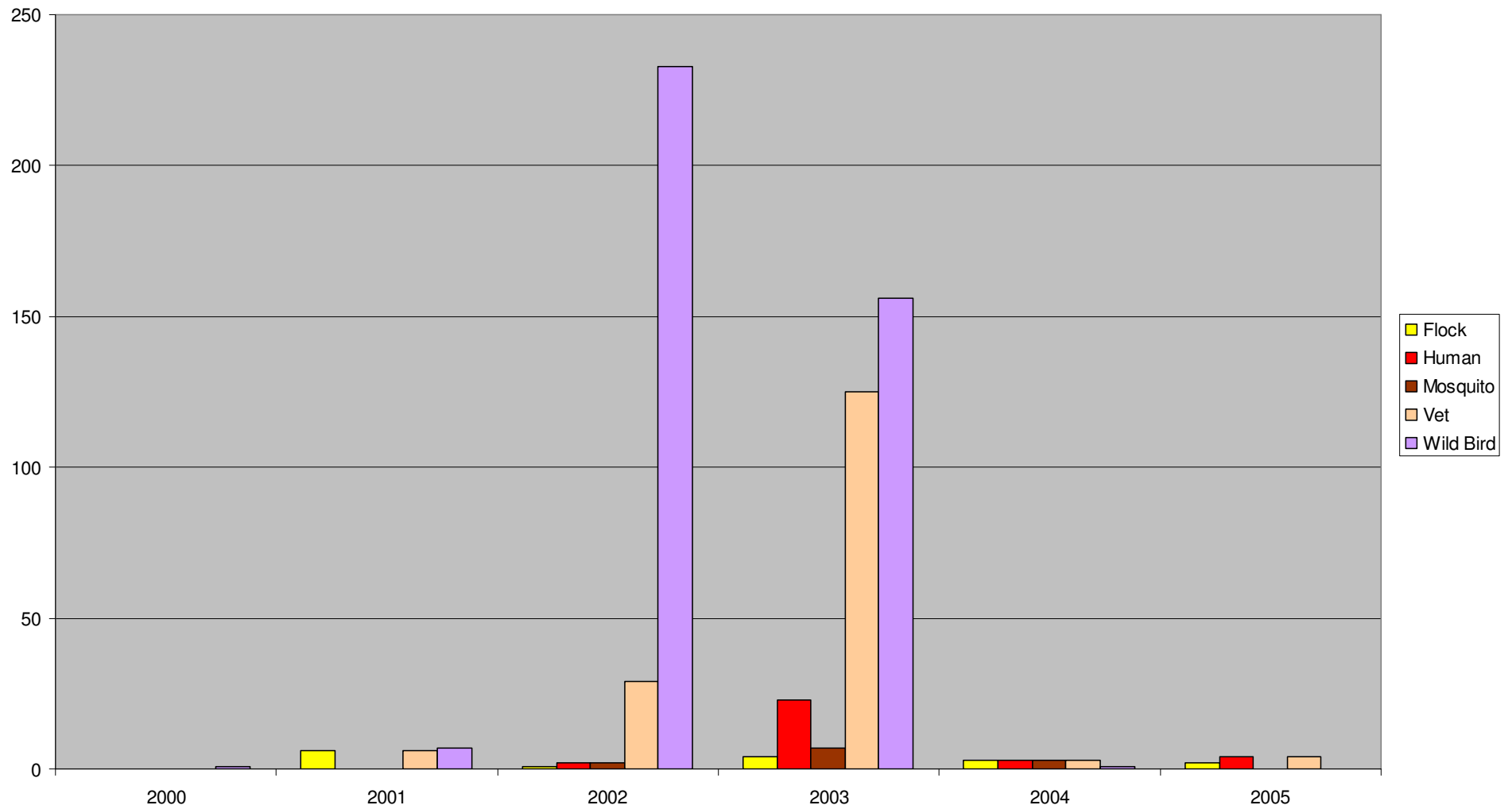
North Carolina
WNV Surveillance to Dec. 15, 2005



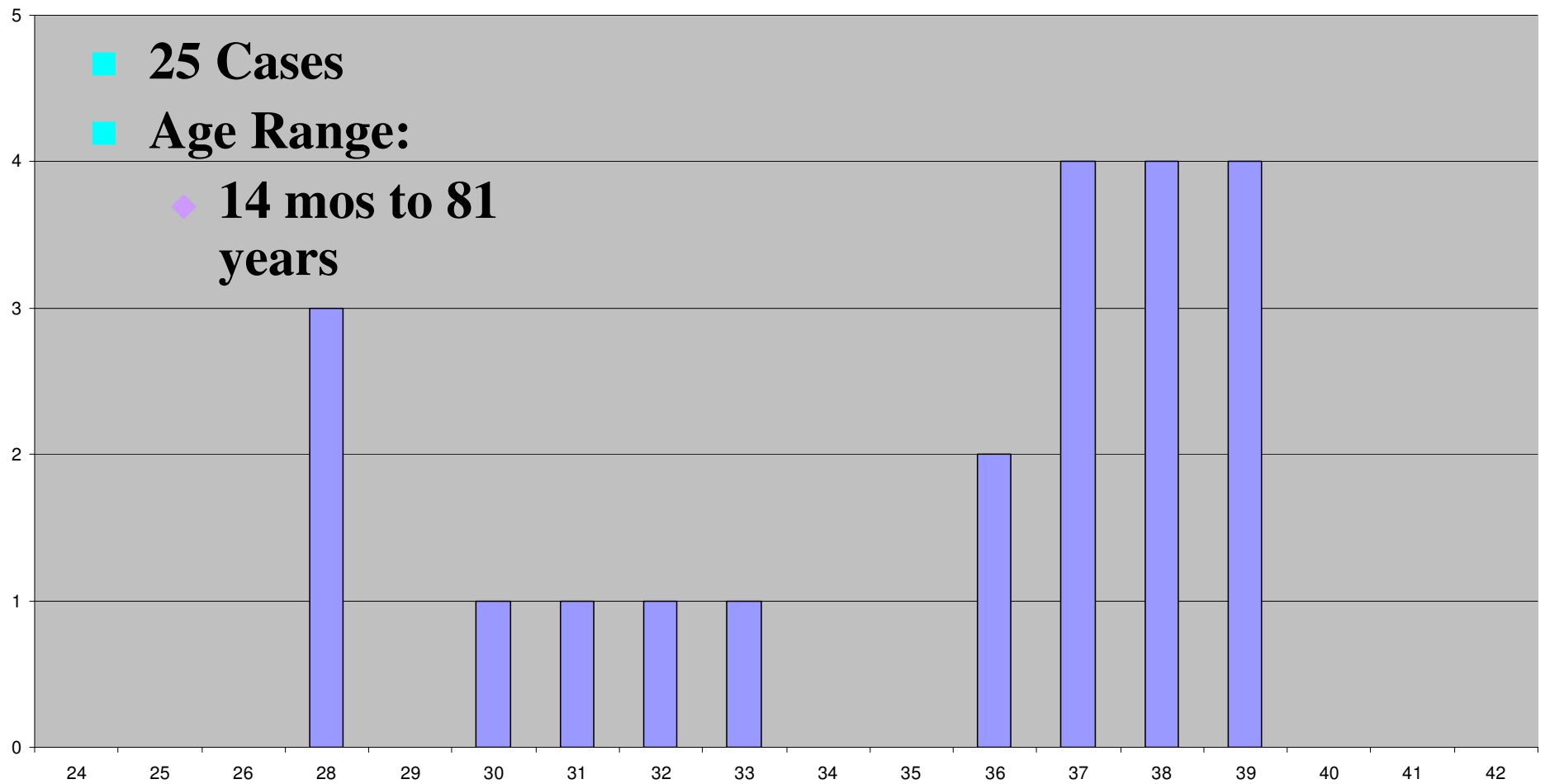
Marcee Toliver, PHFM
12/14/05

- Human Cases: in 3 counties
- Veterinary Cases: in 4 counties

WNV: 2000-2005



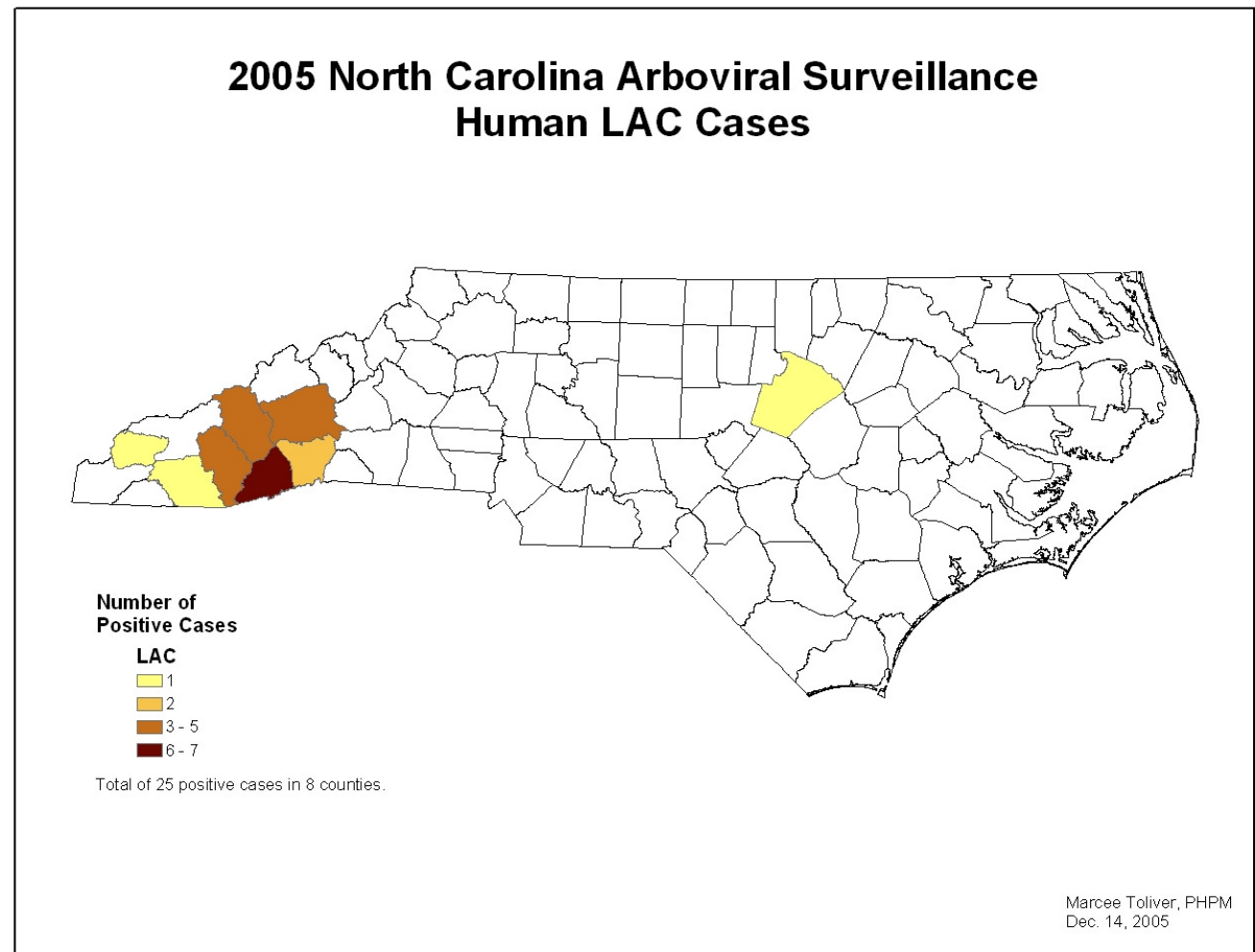
Arbovirus - LAC



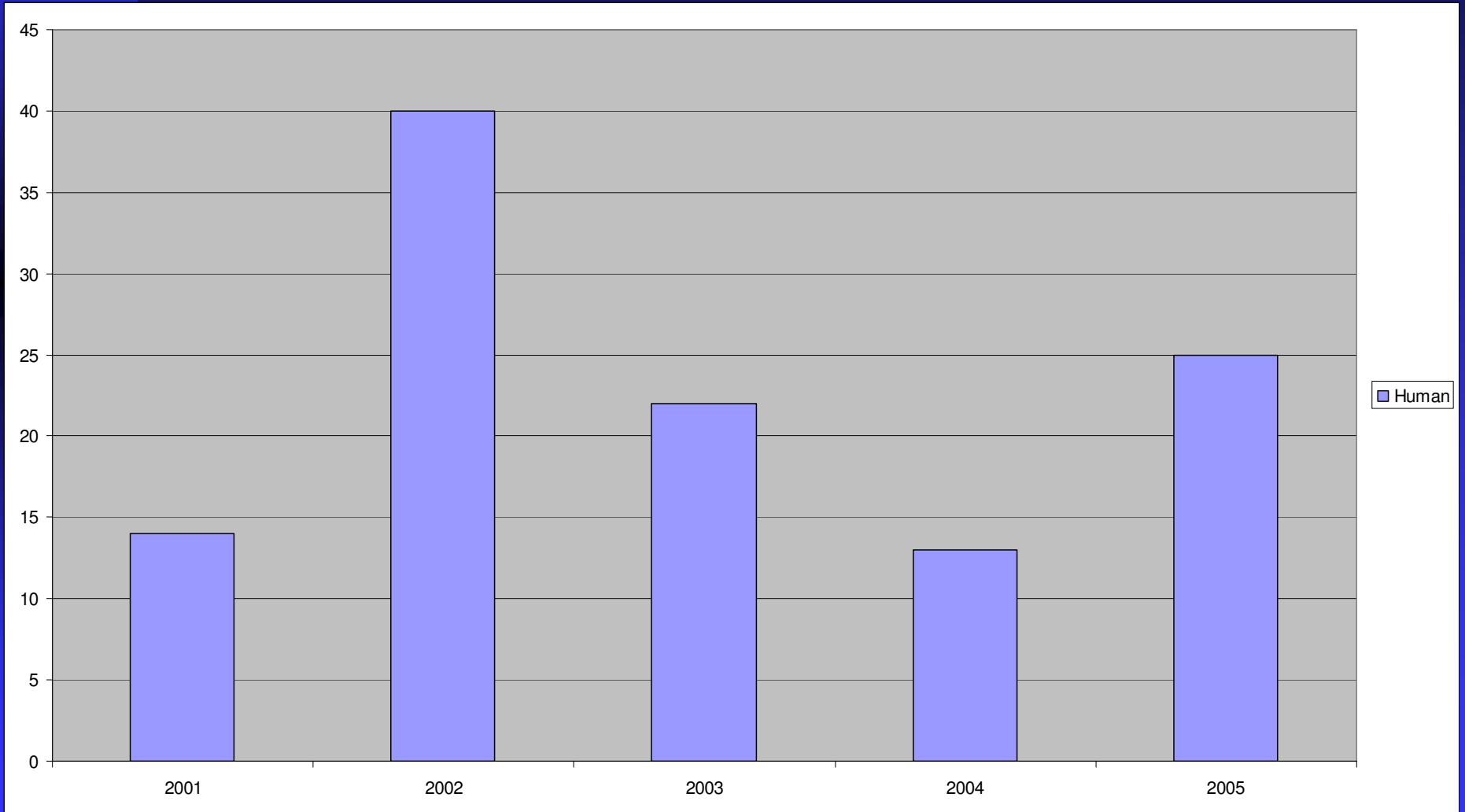
Arbovirus: LAC

8 Counties

- 7 cases in Transylvania
- 5 cases in Buncombe
- 4 cases each in Haywood and Jackson
- 2 cases in Henderson
- 1 case each in Graham, Macon and Wake



LAC: 2001-2005

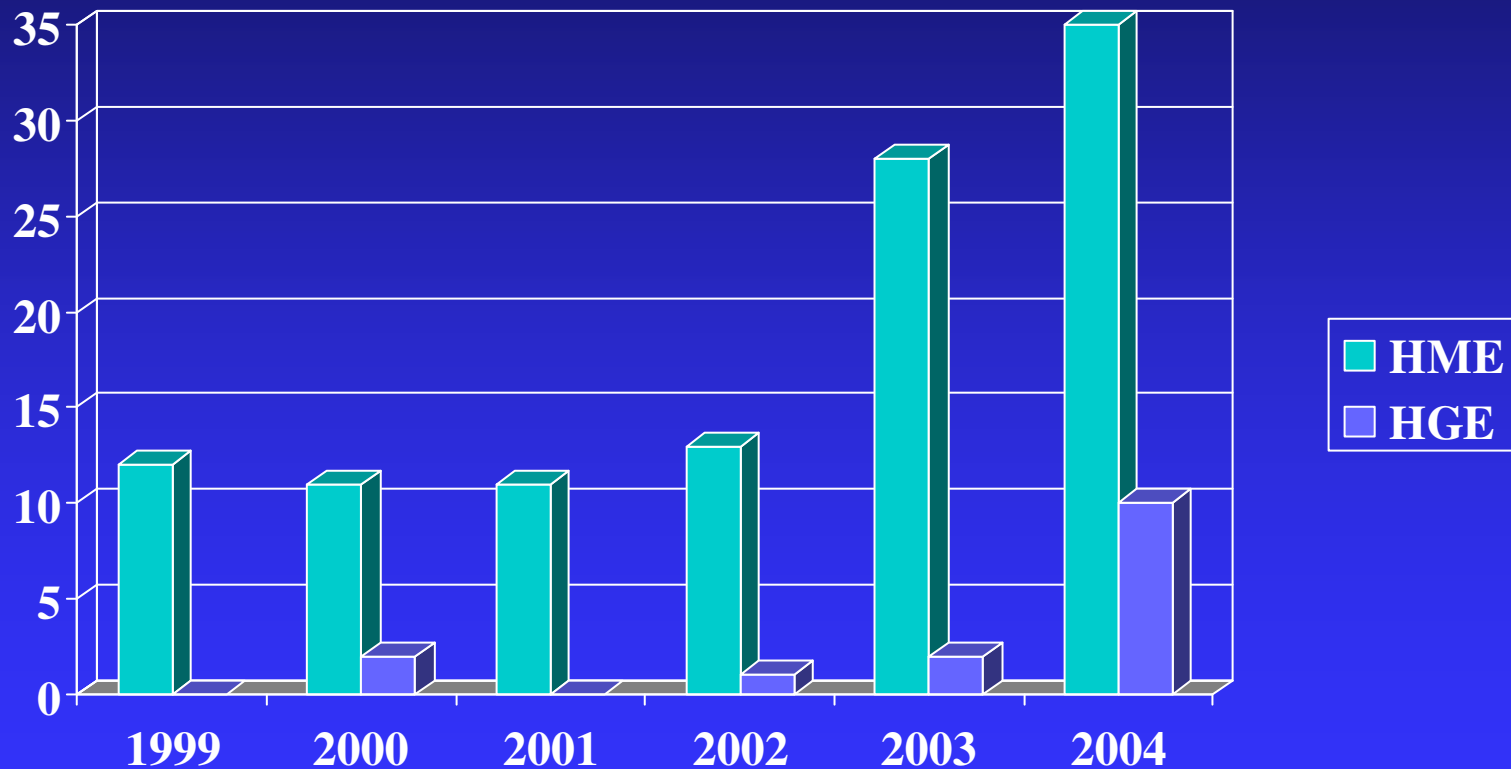




Courtesy Dr. Jeff Engel

Ehrlichiosis in NC

(~95% probable, single serum)



Courtesy Dr. Jeff Engel

2005

- Lyme disease: 44 reported cases so far. 111 at this time last year. Case definition change.
- RMSF: 625 cases reported so far. 484 cases last year. May be due to rainy weather in summer, or to drought? (2006: 138 to date, 34 this time in 2005)
- Ehrlichioses: no data so far.

NC Rocky Mountain Spotted Fever Cases

