

Virginia State Report



State Fish - Brook Trout



State Flower - Dogwood



State Dog – American Foxhound



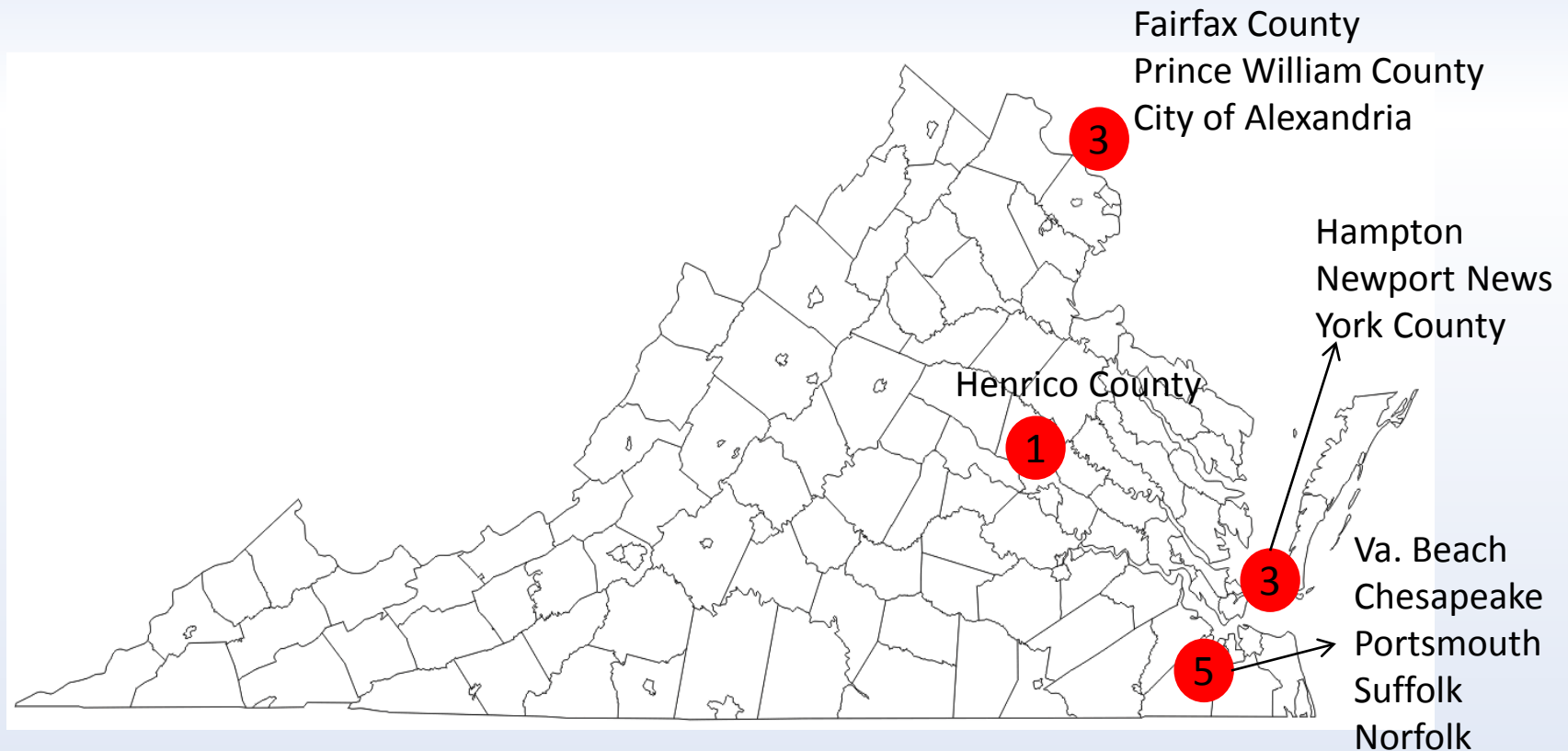
State Bird



Well....

Mosquito Activity

- 1,163,127 female mosquitoes collected (reporting localities)
- Top 3 Most Trapped Mosquito Species
 - *Culiseta melanura*
 - *Culex pipiens/restuans*
 - *Ae. albopictus*



WNV surveillance in VA in 2016

A total of 8 human cases of WNV were recorded:

3-Northwest Virginia – (2- Central Shenandoah, 1- Loud Fairfax)

3-Northern Virginia – (1- Alexandria 2- Prince William County)

2-Central Virginia – (2- Richmond City)

5 Positive WNV Sentinel Chicken Sera:

Hampton Roads Area

3 – Suffolk

2 - Chesapeake

Hampton Roads is the only areas that test
Sentinel Chickens

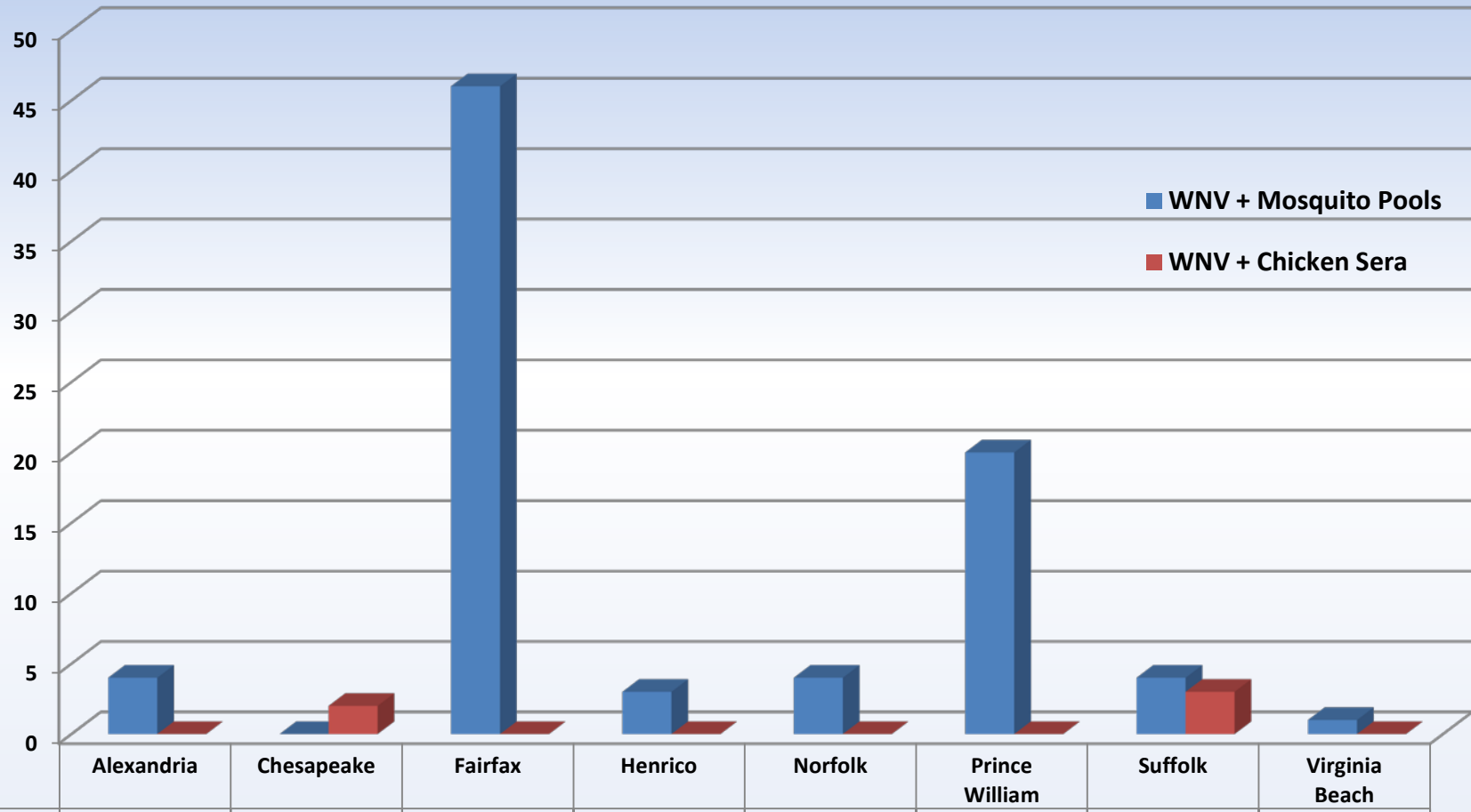


WNV Surveillance

(Mosquito pools and positives)

- 10,217 WNV mosquito pools tested
- 80+ pools
 - 75+ *Culex pipiens/restuans*
 - 3+ *Culex salinarius*
 - 1+ *Culex erraticus*
 - 1+ *Aedes albopictus*

Positive WNV Mosquito Pools & Positive WNV Chicken Sera



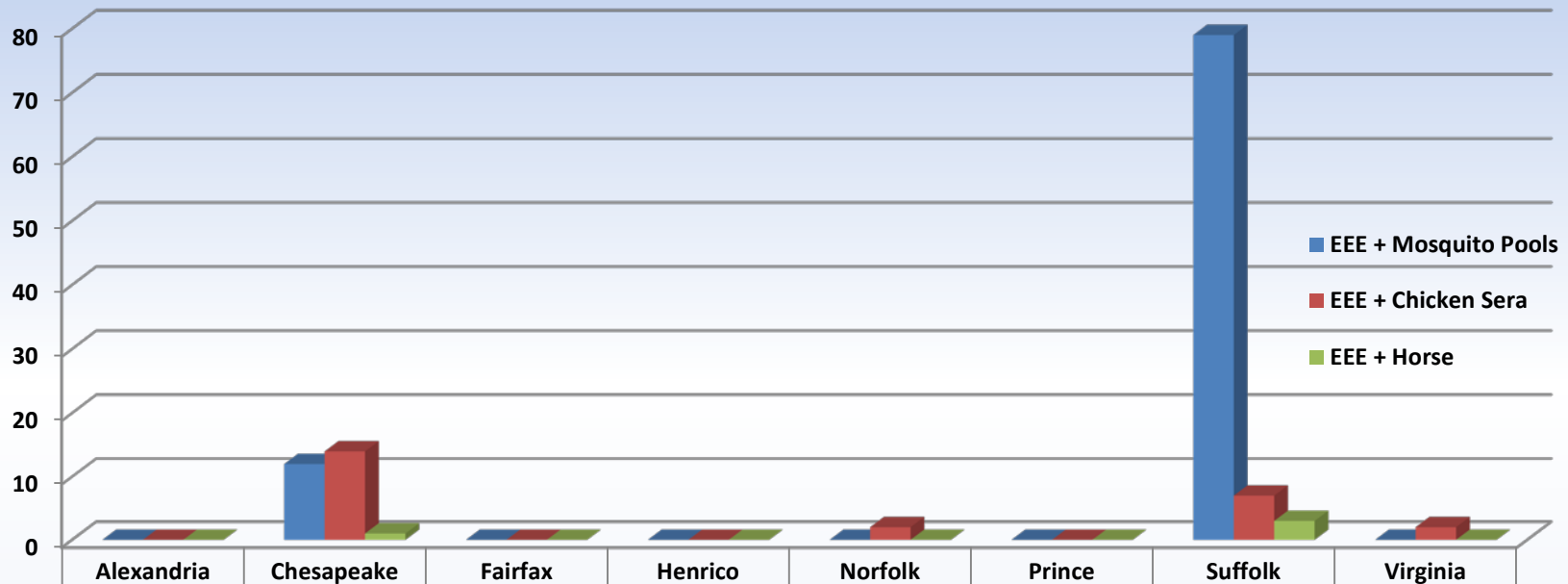
Hampton Roads is the only areas that test Sentinel Chickens

EEE Surveillance in VA 2016

- **0 Human Cases**
- **2,170 Mosquito pools tested for EEE**
 - 91+ *Culiseta melanura*
- **Chickens**
 - 23+ Hampton Roads Area
 - 14 Chesapeake
 - 7 Suffolk
 - 2 Norfolk
- **Horses**
 - 4+ Hampton Roads Area
 - 3+ Suffolk
 - 1+ Chesapeake



Positive EEE Mosquito Pools, Chicken Sera & Positive EEE Horses



EEE + Mosquito Pools	0	12	0	0	0	0	79	0
EEE + Chicken Sera	0	14	0	0	2	0	7	2
EEE + Horse	0	1	0	0	0	0	3	0

Hampton Roads is the only areas that test Sentinel Chickens

2016 Virus Activity

- **Chikungunya**
 - 5 cases (lower than expected for 2016)
- **Dengue**
 - 24 cases (slightly higher than usual, many initially tested IgM+ for Zika but were found to have Dengue with more specific testing assays through the CDC)
- **Zika**
 - 112 cases thus far; people traveling for holidays, the case numbers could still rise.

All Imported Cases

Virginia Zika Testing

Aedes albopictus mosquito testing for the Zika Preparedness and Response Plan through The Division of Consolidated Laboratory Services (DCLS), Fairfax County Health Department, and National Center of Biodefense and Infectious Diseases, George Mason University.

Total of mosquito pools submitted: 1,692

Mosquito Control localities that participated in *Aedes albopictus* testing that sent in mosquito pools:

- Alexandria Health Department -267 pools
- Chesapeake Mosquito Control – 99 pools
- Fairfax County Health Department - 502
- Hampton Mosquito Control – 72 pools
- Henrico County Mosquito Control – 146 pools
- Newport News Mosquito Control – 38 pools
- Norfolk Dept. of Health Vector Control – 140 pools
- Portsmouth Mosquito Control – 19 pools
- Prince William County Mosquito & Pest Management -225
- Suffolk Mosquito Control – 146 pools
- Virginia Beach Mosquito Control – 103 pools
- York County Mosquito Control – 38 pools

All Pools Tested Negative



On a side note...

Suffolk collected a *Culex coronator* (adult female) in a BG trap on November 1st 2016. This is the highest latitude to date, that a *Cx. coronator* has been found in Virginia.

Virginia Organizations

Virginia Mosquito Control Association's 2017 Board



President
Jeff Hottenstein



President Elect
George Wojcik



Vice President
LaToya White

Who will it
be?



First Vice President
Secretary/Treasurer
Penelope Smelser



Past President
Josh Smith



Sustaining Member
Representative
Jeff O'Neill



MAMCA
Representative
Ann Herring

Tidewater Mosquito Vector Control Council's 2017 Board



TMVCC President
And Representative
Mitch Burcham



Vice President
Michelle Slosser



Secretary
Chris Hohnholt

For more information on the VMCA, visit: www.mosquito-va.org

Virginia Mosquito Control Association

71st Annual Meeting, January 23-25 2018

Renaissance Portsmouth-Norfolk Waterfront Hotel



More information can be found on the VMCA website: www.mosquito-va.org

Mid-Atlantic Mosquito Control Association

43rd Annual Meeting, February 12 – February 14, 2018

Courtyard Carolina Beach Oceanfront, NC



So make plans now... for more information visit: www.mamca.org

Thank You!

Questions

Acknowledgements:

Laboratories:

The Division of Consolidated Laboratory Services (DCLS)

PA Dept. of Health Laboratory

PA Dept. of Environmental Protection Laboratory

Fairfax County Dept. of Health Laboratory

The Virginia Dept. of Agriculture and Consumer Services (VDACS) Veterinary Laboratories

Surveillance Programs:

Alexandria Dept. of Health Vector Control

Chesapeake Mosquito Control

Fairfax County Dept. of Health – Vector Borne Diseases Program

Hampton Mosquito Control

Henrico County Mosquito Control

Newport News Mosquito Control

Norfolk Dept. of Health Vector Control

Portsmouth Mosquito Control

Prince William County Mosquito & Pest Management

Suffolk Mosquito Control

Virginia Beach Mosquito Control

Virginia Dept. of Health (VDH) – Division of Environmental Epidemiology

VDH – Division of Surveillance and Investigation

VDH – Regional and District Epidemiology Staff

York County Health Department