

# Office of Mosquito Control Coordination

New Jersey Fish and Game Council Meeting  
May 11, 2021



# Objectives

- Who we are
- What we do
- Why
- Intersection of activities
- Changing climate
- Need to “fix” and expand programs



Mosquito control is everybody's responsibility

It's a big job & everyone needs to do their part!

# Office of Mosquito Control

*Scott Crans, Administrator*

3 Fulltime Staff, 1 Temp Employee

- SMCC & State Aid programs
  - Surveillance
    - Adult mosquito
    - Vector
      - Arbovirus testing
      - EEEV, WNV, SLEV, JCV, LACV, DENV, CHIKV, ZIKV
  - Bio-Control
  - Equipment Use
  - Aerial



# Mosquito control mandated by law: Title 26:9

- Mosquitoes transmit disease
- Cause nuisance
- Impact state economy
- Laws were passed in 1912
- Science based approach



**WNV, CHIKV, ZIKV recent reminders**



# Organization of mosquito control in NJ

## County Control Programs

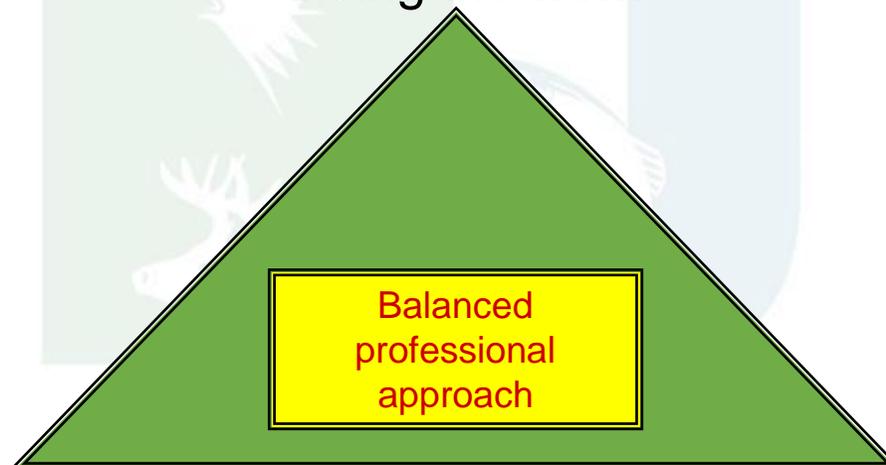
Commissions, Departments, Agencies, Offices

Boots on the ground  
Doing the work



## New Jersey Agricultural Experiment Station

Research, Review Plans & Estimates and Annual Reports, Provide Recommendations and Training



## State Government

DEP, Health, AG  
State Mosquito Control Commission  
RU, DEP, DOH, AG, 6 Public

Advise Governor, Recommend changes to law, Funding, Guidance, Oversight

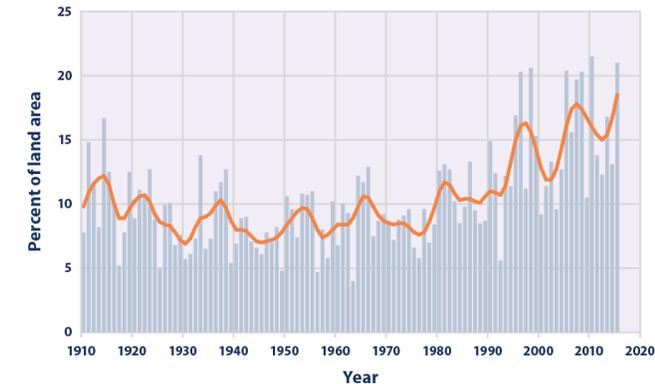
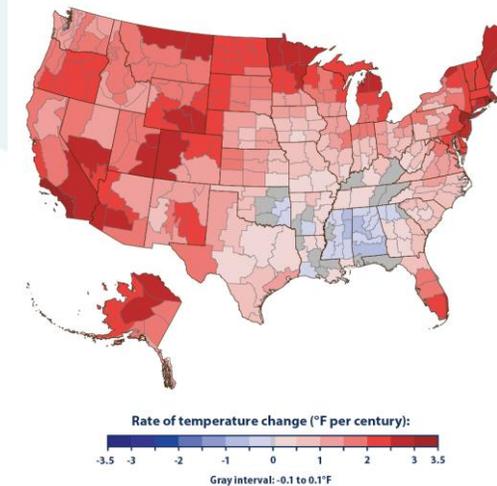
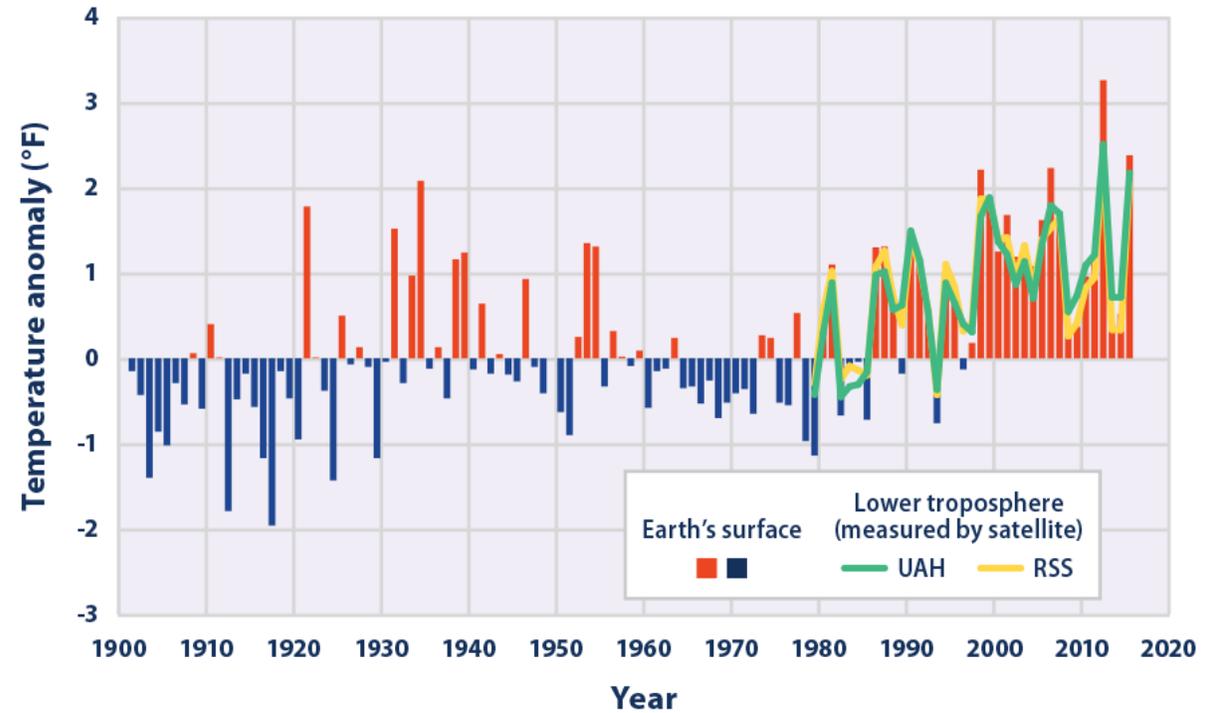
# Division collaboration

- Bio-Control
  - F&W MOA mosquito eating fish
- Equipment use
  - Hatchery pond maintenance
- Mitigation projects
  - East Lake road w/ Salem
- Partnering & cooperative projects
  - Tuckahoe WMA w/Ducks Unlimited, Cape May
  - Cox Hall Creek WMA w/ Cape May
  - Alexauken Creek WMA w/ Hunterdon
  - Abbotts Meadow WMA w/ Salem 2016-17, 2021
- Explore new opportunities



# Warming climate

- Mosquitoes are great indicator
  - Activity starts earlier and lasts later
  - Species moving north (ATM)
  - Exotic invasive species survive (YFM)
- Significant impacts on operations
  - Mosquitoes and pathogens develop faster
  - More work that needs to be done
  - Increased risk of disease transmission
  - Rising costs
- Change in distribution of pathogen activity
  - EEE in north Jersey
  - Need to establish monitoring sites



# Increase annual funding resources

- All agencies asked to re-evaluate programs
- Adjust accordingly
- Submit Plans and Estimates to NJAES for review
- Include in P&E ask needs from state (NJAES & SMCC)
- Commission & NJAES received data from all 21 county programs
- SMCC incorporated appropriate asks into budget request
- Funds needed to fix & sustain current programs, nearly doubles annual resources
- New programs require additional staff and funding
  - Vector surveillance response team
  - Internship program
  - Develop & support continuing studies to generate data to address coming challenges



# Contact information



- **Scott C. Crans, Administrator**
- **NJDEP, Office of Mosquito Control Coordination,  
Mail Code 501-03 P.O. Box 420  
Trenton, NJ 08625-0420**
- **Phone (609) 292-3649**
- **Fax (609) 633-0650**
- **E-mail [scott.crans@dep.nj.gov](mailto:scott.crans@dep.nj.gov)**
- **Web site <http://www.state.nj.us/dep/mosquito/>**



**Mosquito control is everybody's responsibility  
It's a big job & everyone needs to do their part!**