

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

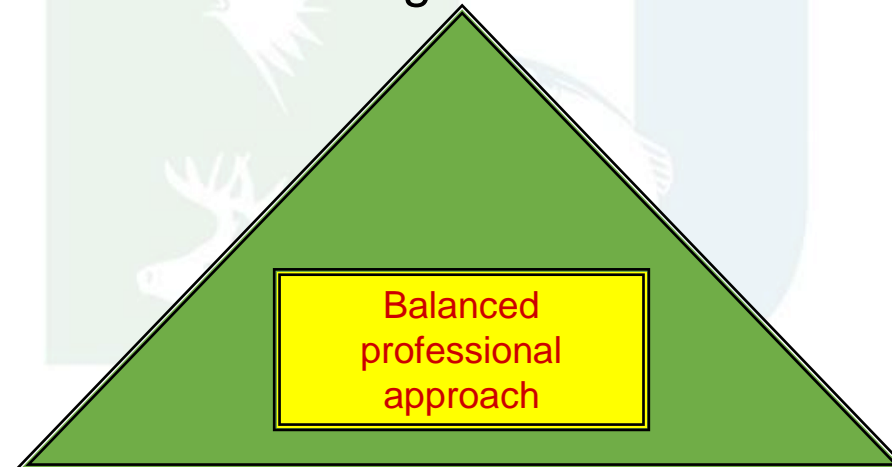


Organization of mosquito control in NJ

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

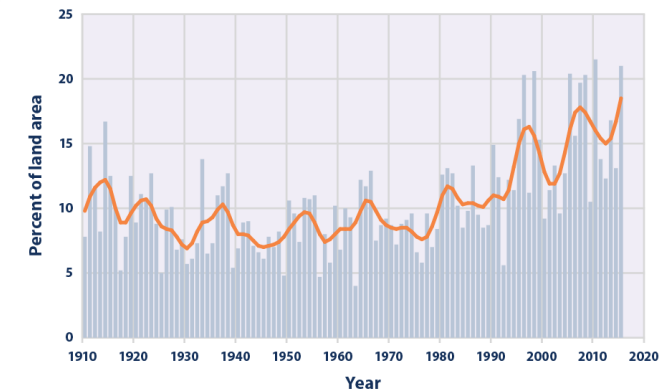
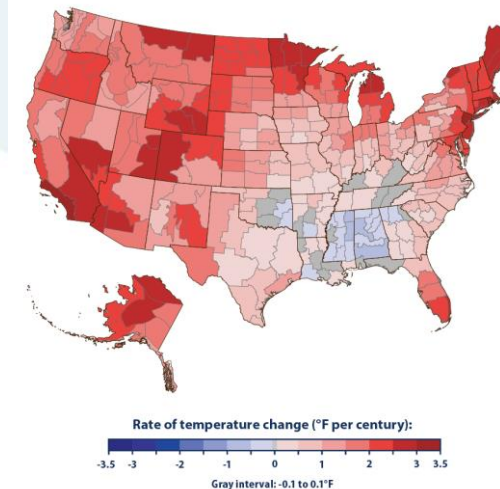
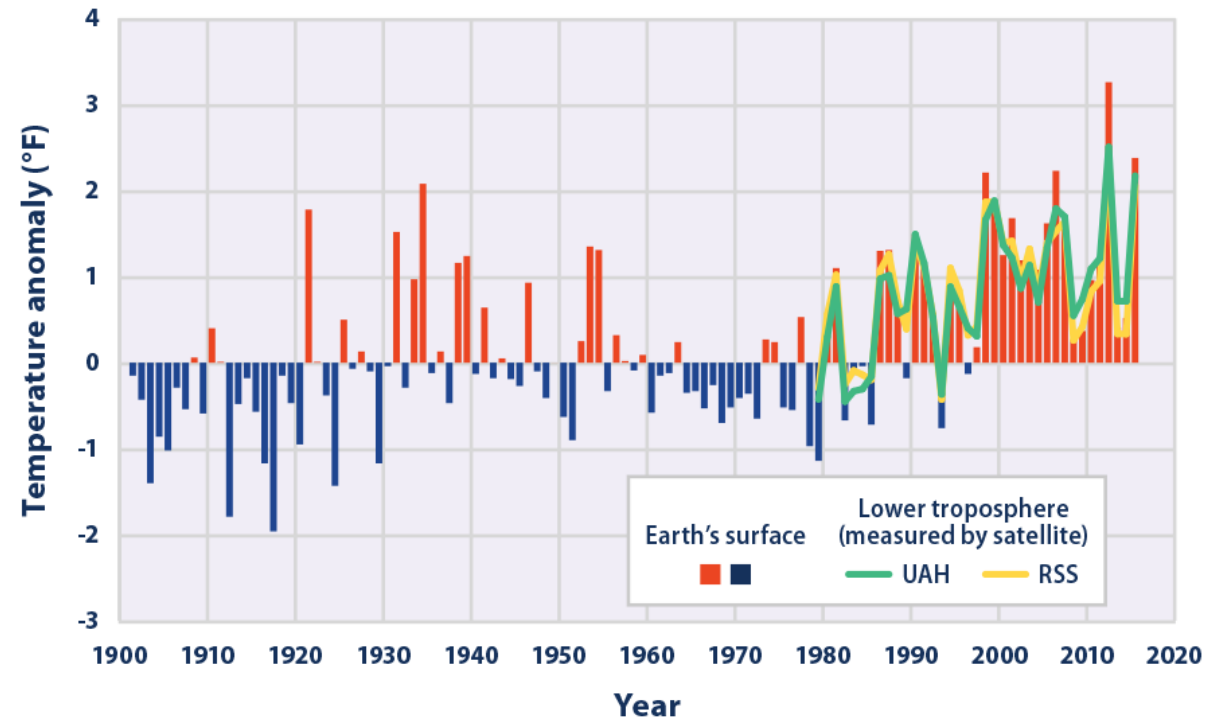
Division collaboration

- 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
- 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!