

## State Reports, DE – Chris Lesser

- i) Mosquito control is state-based within Fish and Wildlife
- ii) Disease
  - (1) No longer do mosquito testing
  - (2) EEE
    - (a) No cases
    - (b) No positives
  - (3) WNV
    - (a) First seen in 2001 – wild birds
    - (b) 2003 – 17 human cases (2 deaths)
    - (c) Declined to zero human and veterinary cases
    - (d) Maintain sentinel chicken flocks
- iii) Policy
  - (1) Fish & Wildlife Service lands (NWR)
    - (a) Working on handbook for mosquito control
    - (b) Should also work for NPS lands
  - (2) Stormwater management structures
    - (a) Best Practices lead to high mosquito numbers
    - (b) Worked for policy change
    - (c) Water not held for more than 4 days
    - (d) Steep sides
    - (e) No vegetation
  - (3) EPA pesticide models
    - (a) Not realistic to mosquito control
    - (b) Need change
- iv) Operational
  - (1) Active (successful) open marsh water management program
  - (2) Control
    - (a) 2005 – very dry until June
    - (b) Nor'easter dropped a lot of rain in late June/early July
    - (c) Could not larvicide due to dense canopy
    - (d) Adulticided large areas
    - (e) Remained dry until Ernesto came through
    - (f) Mostly controlled by larvicide
    - (g) Products used:
      - (i) Naled
      - (ii) Bti
      - (iii) Methoprene
      - (iv) Aqualure (permethrin)