

Mid-Atlantic Mosquito Key: An Update - Bruce Harrison

- a) Purpose
 - i) Regional key
 - ii) MAMCA states
 - iii) Will be adding a TN addendum
- b) Current keys
 - i) Darsie and Ward 2005
 - ii) Slaff and Apperson 1989
 - iii) Reinhardt system - taxonomic review
- c) The new key
 - i) Multi-character couplets
 - ii) Females and 4th instar larvae
 - iii) Vector-line graphics using Adobe illustrator
 - iv) Will be online
 - v) Species
 - (1) 16 northern species not found in the south
 - (2) 7 sub-tropical species not found in the north
 - (3) 87 taxa
 - (4) 3 group or hybrid categories
 - vi) Methods are strictly morphological
 - vii) New characters included
 - viii) Key to larval instar stage
 - ix) Lots of new info
 - x) Distribution records for 8 states
 - xi) Designed for field use in mosquito control
 - xii) Total pages ~160
- d) Progress report
 - i) All figures and couplets are drafted
 - ii) Half are finished
 - iii) Adult key edited 5 times
 - iv) Larval key edited 3 times
 - v) Notes are half completed
- e) Distribution
 - i) Wire bound water resistant hard copy
 - ii) Electronic version
 - (1) Dynamic
 - (2) Easy to update
 - iii) PDF available through NCMVCA/WCU
 - iv) Illustrations available as a searchable database
 - (1) Can be used with permission
 - (2) Useful for teaching and presenting
- f) Proceeds will be used for future educational projects (Duke Fund Account)
- g) The Smithsonian needs specimens - Jim Pecor