

Larviciding Techniques in Dare County NC – Tim McGonegal

- a) Intensive, but well worth it
 - i) Concentrated kill
 - ii) Residuals cut down on labor
 - iii) Better for environment
 - iv) Can be done no matter the weather
 - v) Usually cheaper, but manpower needed
- b) Need a larval survey
 - i) Where the problem lies
 - ii) What species
 - iii) When is hatch off
 - iv) Better coordination with spray trucks
- c) Dare County
 - i) 383 total square miles
 - ii) 96 sq miles to treat
 - iii) 34000 permanent residents – 200000+ in summer
 - iv) all types of habitat
- d) No larviciding program previously
- e) How to start
 - i) Survey in early spring
 - ii) Developed maps
 - (1) Paper
 - (2) GIS
 - iii) Put out a call to the public
 - (1) Newspaper
 - (2) Radio
 - (3) TV
 - iv) ID breeding sites
- f) Carry a variety of products
 - i) Area
 - ii) Species
- g) Timing is important – wait 24 hrs
 - i) Emergence
 - ii) Evaporation
 - iii) Upcoming weather
- h) Occasionally double-check
- i) Take baby steps – start small and work up
- j) Budget - ~\$500,000
- k) Chemical - ~\$200,000
- l) Employees
 - i) 2 full-time
 - ii) 2-4 seasonal
 - iii) Ditch crew
 - iv) Yard, woodland, pool, etc crew
- m) Need the right equipment
- n) Winter projects – source reduction

- i) Ditch cleaning
- ii) Property container searches
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