



DELAWARE

MAMCA 2015 State Report

2014 Summary

- 1,373 service requests statewide
 - Lower service request workload in 2014
 - Record is 3,755 requests (2013)
 - 60% of average
- Aerial larvicide applications = 14,638 acres
 - Well below average (55%)
- Aerial adulticide applications = 26,548 acres
 - Well below average (46%)
- ULV ground adulticide applications = 18,790.57 acres
 - Well below average (41%)



2014 Virus Activity

- **West Nile Virus:**
 - 0 reported human infections
 - 0 WNV+ horses
 - 8 WNV+ sentinel chickens
 - 4 WNV+ wild birds
- **Eastern Equine Encephalitis:**
 - No reported EEE activity in 2014
- **Chikungunya Virus:**
 - 7 travel-related cases of CHIKV



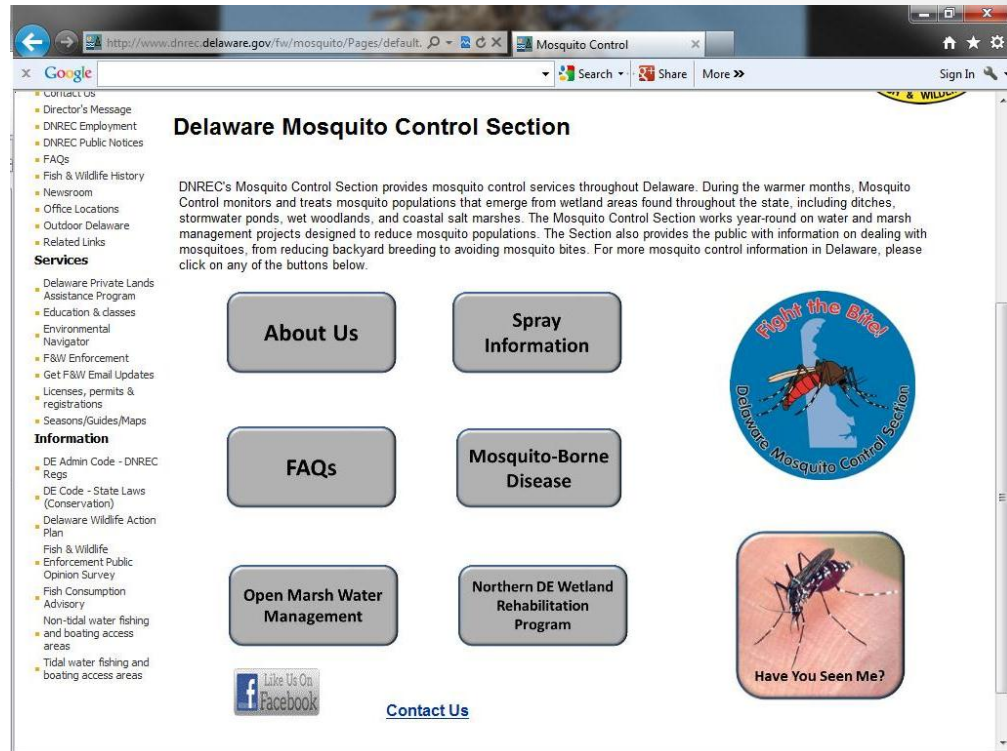
2014 Mosquito Activity

- 25 New Jersey Light Traps statewide
 - Reduced number of traps due to reductions in staff and budget
- 83rd year of NJLTs in Delaware
- A total of 48,688 female mosquitoes were collected and identified by taxonomists
 - 26 different species were identified
 - 20.6% *Cx. salinarius*, 19.4% *An. quadrimaculatus*, 14.4% *Ae. vexans*
- Reduced number of nights for collections this year by adding timers to each trap



2014 Changes

- Updated Website
 - Touch-screen
- Changed URL
 - www.dnrec.delaware.gov/fw/mosquito
 - Much shorter than the old URL:
www.dnrec.delaware.gov/fw/Services/Pages/MosquitoSection.aspx
- Service requests via website in 2015



2014 Changes

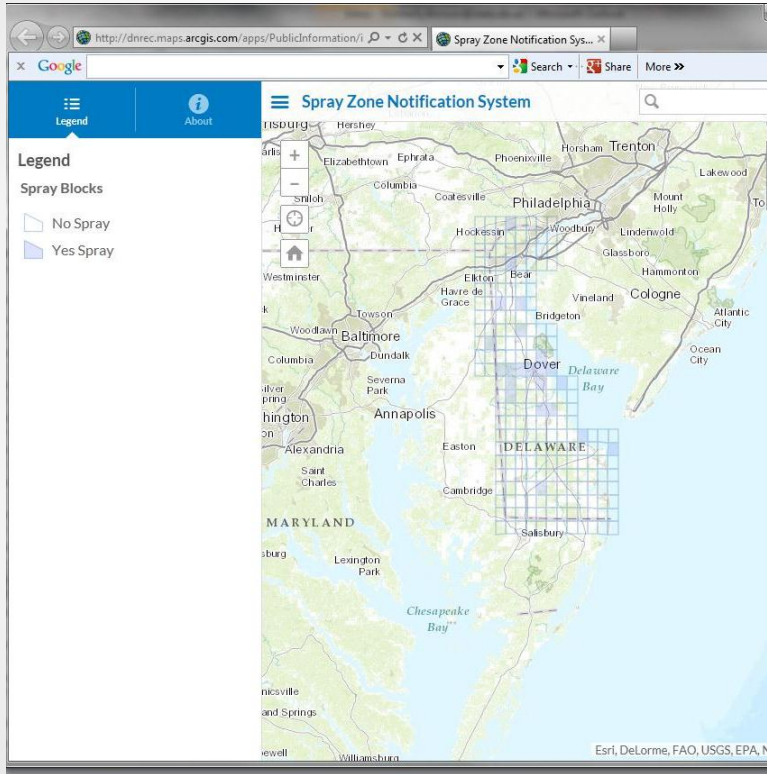
- New cloud-based database for real-time data records
- Originally used with Dell tablets
- Switched to iPads after Dell recall
- Easy reporting features
- Customizable



2014 Changes

- Reduced number of light trap locations and sentinel chicken locations
 - 25 NJLT locations in 2014 (39 in 2013)
 - 20 sentinel chicken locations in 2014 (25 in 2013)
- Evaluated barrier applications as a potential solution for *Aedes albopictus* control
 - Notable increase in the number of private mosquito control companies and the number of applications completed by these companies

2015 Anticipated Changes



- Online map for public notification
 - Aerial pesticide application
 - Truck-mounted ULV adulticide applications
- Text message notification system