

MOSQUITO CONTROL SERVICES, LLC

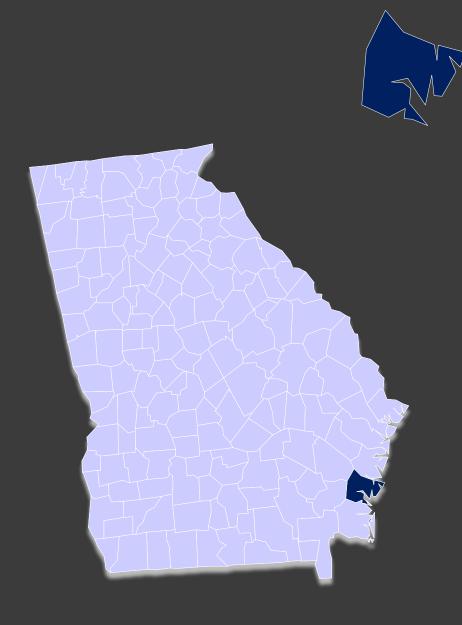
GLYNN COUNTY UPDATE Transitioning from an In-House Program





- Established in 1985 as Mosquito Control Inc.
- Today, we service 6 Parishes & 3 Counties
- Experienced Team of Entomologists, Biologists & Field Personnel
- Operating 60+ Spray Trucks & 5 Twin-Engine Aircraft





GLYNN COUNTY

- Established in 1777
- 585 square miles
- 85,000 population
- Areas
 - Brunswick
 - St Simons Island
 - Sea Island
 - Jekyll Island
- Economy
 - Tourism
 - FLETC
 - Paper Industry



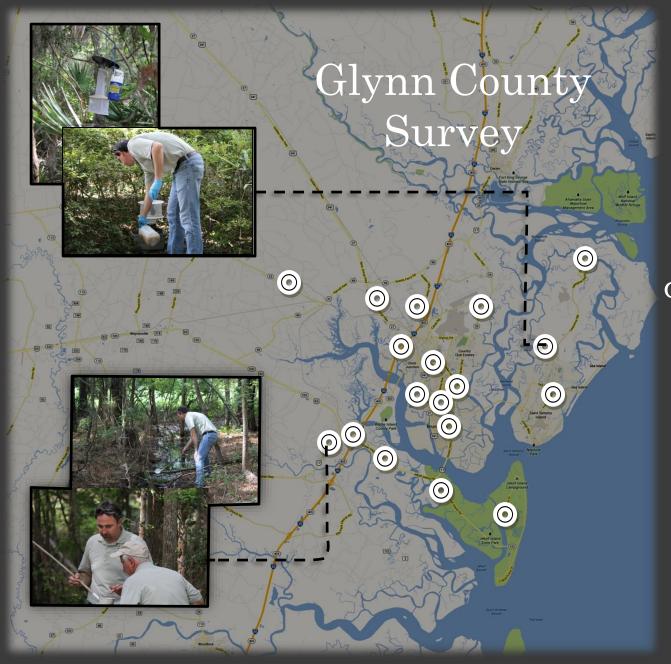


Glynn County Mosquito Control

- Early 70's Public Works Treatments
- 1978 Mosquito Control Program
 - John Carter ~ '78-'89
 - Olan Chancy ~'89-'02
- '02 to '12
 - Transitional Period
- 2013 County Decides to Outsource







Culex erraticus

Aedes stimulans

Culex salinarius

Psorphora ferox
Culex quinquefasciatus

Psorphora columbiae
Anopheles quadrimaculatus
Culex nigripalpus

Ochlerotatus atlanticus

Coguilletidia perturbans

Ochlerotatus infirmatus
Psorophora howardii
Aedes vexans

Ochlerotatus taeniorhynchus

Aedes albopictus

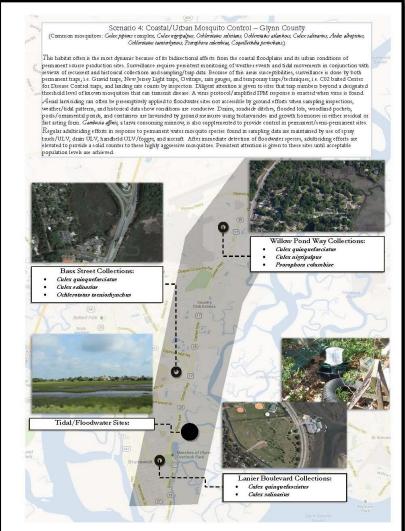
 $An opheles\ crucians$

Ochlerotatus solicitans **Psorphora ciliata**



MOSQUITO CONTROL SERVICES, LLC

Identified Habitats & Required Control Methods



Scenerio 4: Coastal/Urban Mosquito Control



Scenerio 1:
Urban/Suburban
Mosquito Control



Scenerio 2: Coastal Mosquito Control



Scenerio 3:
Rural/Uncultivated
Mosquito Control





MOBILIZATION PLAN

- Purchase New Vehicles and Equipment
- Trucks & ULV Sprayers, ATV, Traps
- Locate, Establish & Outfit Office
- Hire Local Staff
- Aerial Base
- Chemical Containment& Mixing
- Training & Licensing





MOSQUITO CONTROL SERVICES, LLC



- •Establish Stand-Alone Operation in Glynn County
- •Tailor Facility to the specific needs of the Program
- •House Equipment, Lab, Shop
- •Define Procedure and Train Employees





Steven Pavlovich, General Manager – Entomologist –

Samuel Stines, Chief Biologist





Travis Dorsey, Program Manager-Entomologist

Field Technicians

Wallace Head



Don Hubbard



Leon Burns



Glenn Jeter





MOSQUITO CONTROL SERVICES, LLC

MCS PROGRAM PHASES

Surveillance





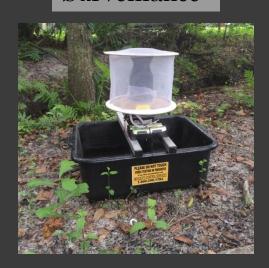
Aerial Application



Ground Spraying



Encephalitis Surveillance





Public Education



INSPECTION AND SURVEILLANCE

- GPS Mapping of Breeding Sites
- Rain Gauge Stations
- New Jersey Light Traps
- Gravid Traps/ CDC Traps
- Ovitrap Locations
- Landing Rate Sites

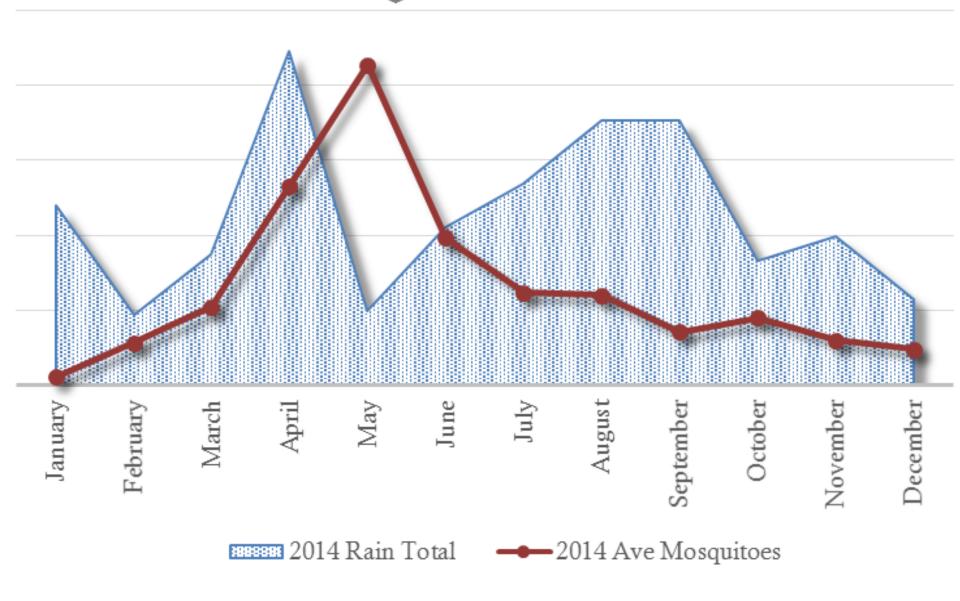




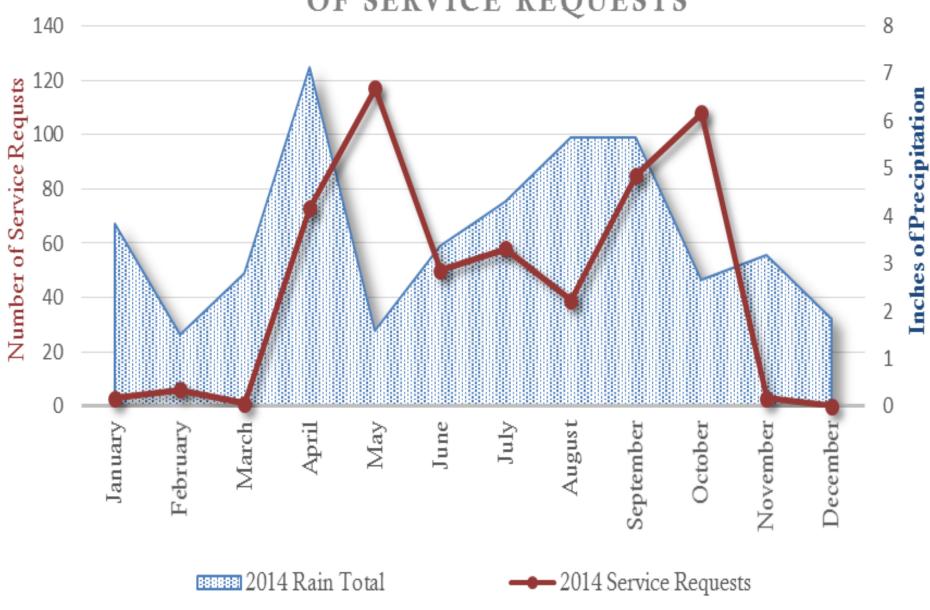




2014 AVERAGE PRECIPITATION & AVERAGE MOSQUITOES PER TRAP



2014 AVERAGE PRECIPITATION & NUMBER OF SERVICE REQUESTS



LARVICIDING

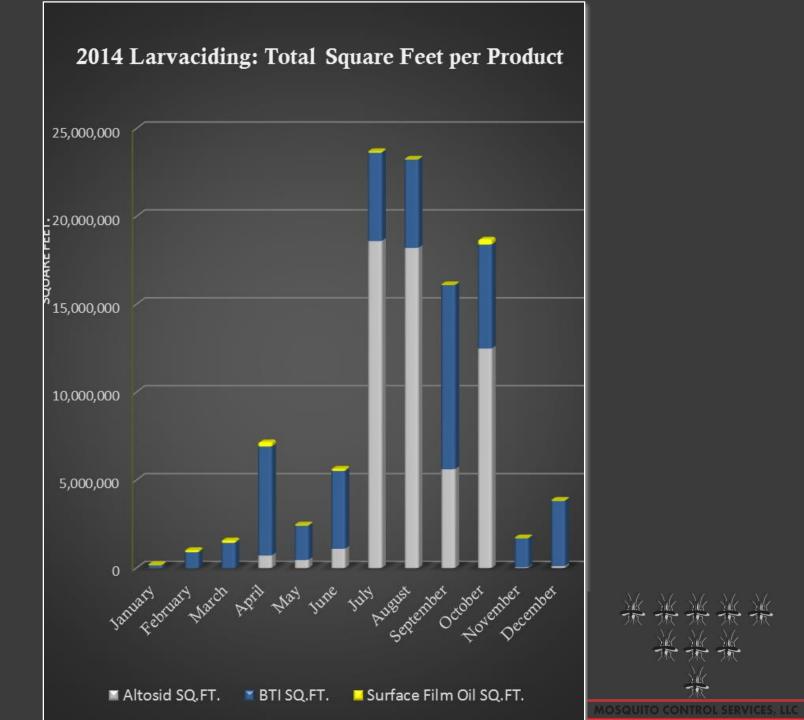






- Mosquito Fish and Bio-Chemical Controls
- Catch Basin Treatments
- Ground Application with Backpacks, ATVs & Trucks
- Aerial Application via Thrush Aircraft







GROUND ADULTICIDING

- Spray Trucks Equipped with
 Flow Control and Truck Tracking
- ATVs Equipped w/ ULV Sprayer and Larvacide Application tank
- Handheld ULVs & Thermo-foggers







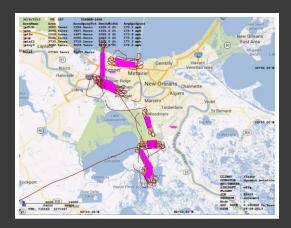
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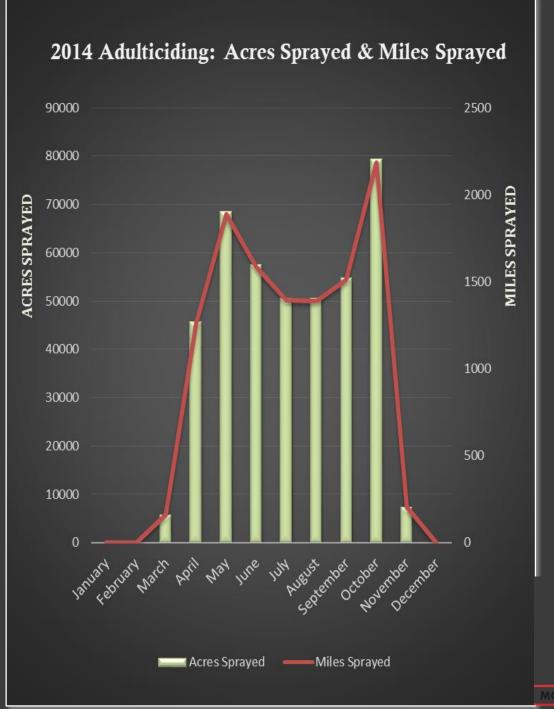


AERIAL ADULTICIDING

- Partnered with Dynamic Aviation
- Twin- Engine King Air Aircraft
- 2 Pilots; Night Vision Goggles
- Exempt from Dump Restriction
- Flight Master/ Ames System

















ENCEPHALITIS SURVEILLANCE

- Monitoring Disease Vector Populations Year Round
- Our Laboratory is Backup to University/ State Labs
- Surveillance & Response Protocol



PUBLIC EDUCATION PROGRAM









- Residential Inspections
- Informative Pamphlets
- PowerPoint Presentations
- Radio Spots









OTHER EFFORTS

- Special Event Barrier Treatments
 - Truck & Backpack Applications
- Encephalitis and Efficacy Testing
 - Bottle Bio-Assays
 - Field Cage Tests
 - Larvacide Ditch Tests
- Droplet Testing





