



ANASTASIA
MOSQUITO CONTROL DISTRICT
OPERATIONS

PROTECTING OUR COMMUNITY.
ENHANCING QUALITY OF LIFE.

AVIATION

GROUND OPERATIONS

SURVEILLANCE

PRESENTED BY

Dena Oliva, MBA

OPERATIONS MANAGER

WHERE WE OPERATE

Anastasia Mosquito Control District is located in **St. Johns County, Florida,** in **Northeast Florida.**

We cover all **609 square miles** of St. Johns County.

Our service area includes diverse mosquito-producing environments, including the **Intracoastal Waterway**, the **St. Johns River**, marshes, wetlands, and **agricultural areas.**

OUR OPERATIONS ARE DIVIDED INTO THREE CORE SUB-PROGRAMS

AVIATION
Aerial applications and surveys to target mosquito populations.

GROUND OPERATIONS
Larval control, treatment, and source reduction on the ground.

SURVEILLANCE
Monitoring mosquito activity to guide our response and operations.





DENA OLIVA
Operations Manager

AVIATION OPERATIONS



MORGAN DUETT
Aviation Supervisor



DAZMOND HACKNEY
Mosquito Control Technician
Aviation Operations



KYLE ARBER
Drone Pilot
Aviation Operations



SCOTT CARTER
Pilot
Aviation Operations



BRANDON WEIR
A&P Mechanic
Aviation Operations

GROUND OPERATIONS



CATHY HENDRICKS
Assistant Supervisor
Field Operations



JOHN ANDERS
Seasonal Mosquito Control Technician
Field Operations



CAMERON CLARK
Mosquito Control Technician
Field Operations



MICHELLE HAIRSTON
Mosquito Control Technician
Field Operations



JAMES STOKLEY
Mosquito Control Technician
Field Operations



NICOLE BLACKWELDER
Mosquito Control Technician
Field Operations



HOLLY USINA
Mosquito Control Technician
Field Operations



DYLAN BLANTON
Seasonal Mosquito Control Technician
Field Operations



KYLE GRAHAM
Mosquito Control Technician
Field Operations



MADS MORRIS
Mosquito Control Technician
Field Operations



RAY RENAULT
Seasonal Mosquito Control Technician
Field Operations



JEREMY WOHLFORTH
Mosquito Control Technician
Field Operations



JOSH DAVIDSON
Seasonal Mosquito Control Technician
Field Operations

SURVEILLANCE



STEVEN SMOLEROFF
Field Biologist
Field Operations



AARON GRIFFIS
Seasonal Mosquito Control Technician
Field Operations

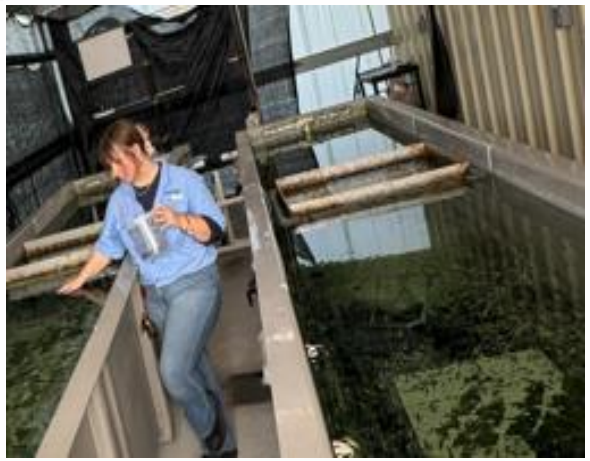
SURVEILLANCE PROGRAM





43 WEEKLY TRAPS

Combination of CDC light traps and BG traps collected, counted, and identified.

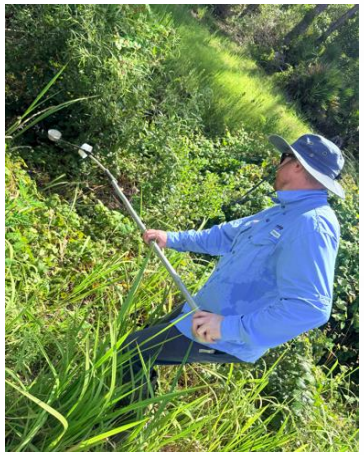





SALT MARSH SURVEILLANCE & TREATMENTS

Surveillance of key habitats and treatments via ground or by relaying information to air.







FISH PROGRAM

Fish placed in the field for biological control or provided to residents.

INVESTIGATING SUSPECT CASES

Involved in investigating suspect cases of mosquito borne illness.

DATA DRIVEN. FIELD FOCUSED. COMMUNITY PROTECTED.

SURVEILLANCE TODAY. PROTECTION TOMORROW.

AVIATION UNIT

MULTI-MISSION. MAXIMUM IMPACT.



SURVEILLANCE HELI

Used for site inspections, mission prepping and operational support.



LARVICIDE HELI

Fitted with Isolair Hoppers for precise application of dry larvicides.



ULV HELI

Dedicated to ultra-low volume (ULV) adulticide spraying missions.



DRONE

Used for efficient, targeted application of dry larvicides in hard-to-reach areas.



AIRBOAT

Our multi-tool workhorse for inspections, treatments, retrievals and more.

ONE TEAM. MULTIPLE TOOLS. PROTECTING OUR COMMUNITY.

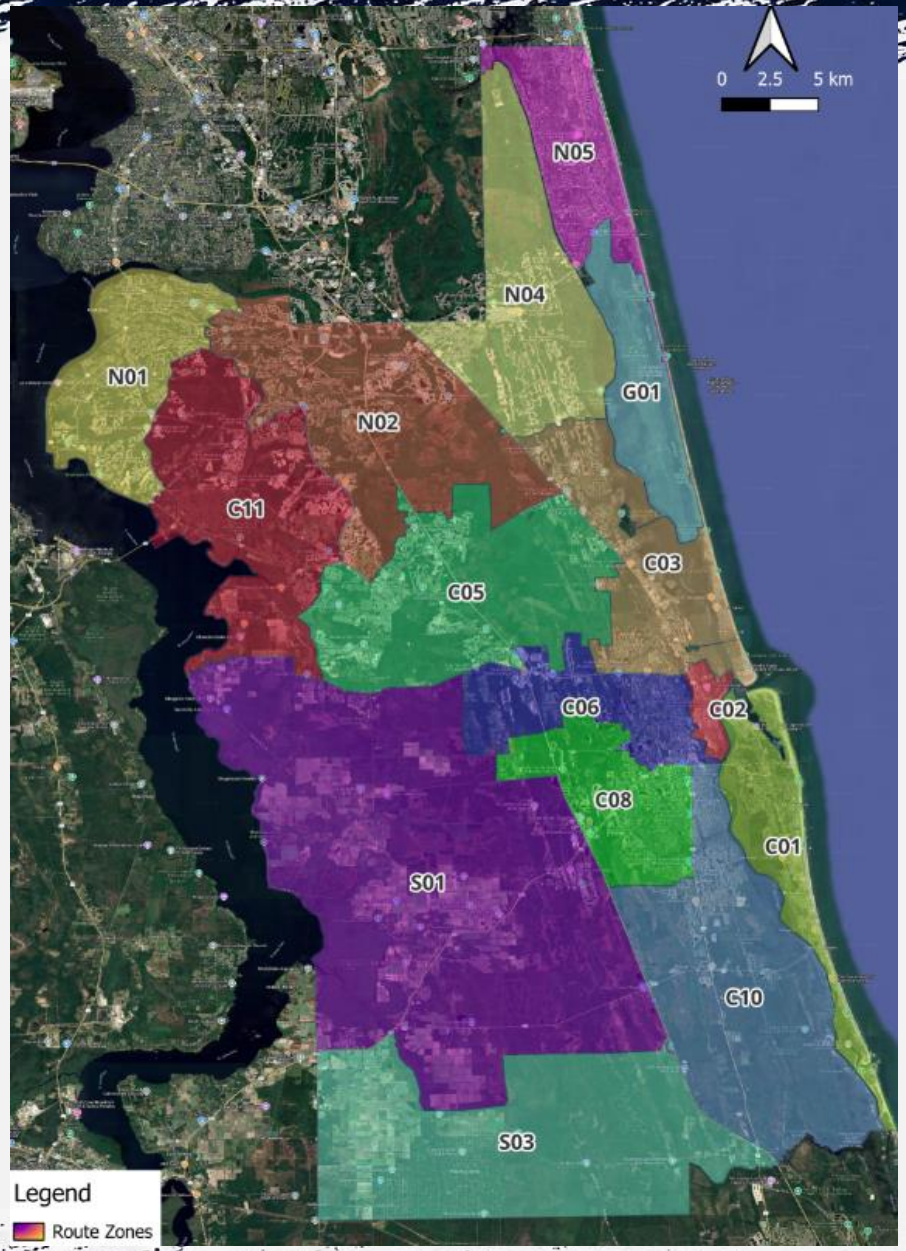
GROUND OPERATIONS

14 MAIN ZONES

46 ADULTICIDE ZONES

77 LARVICIDE ZONES
which includes
9 ARTHROPOD MANAGEMENT PLANS





DATA DRIVEN. FIELD FOCUSED. COMMUNITY PROTECTED.
SURVEILLANCE TODAY. PROTECTION TOMORROW.

OPERATIONS

SERVICE REQUEST | SOURCE REDUCTION



















DATA DRIVEN. FIELD FOCUSED. COMMUNITY PROTECTED.

SURVEILLANCE TODAY. PROTECTION TOMORROW.

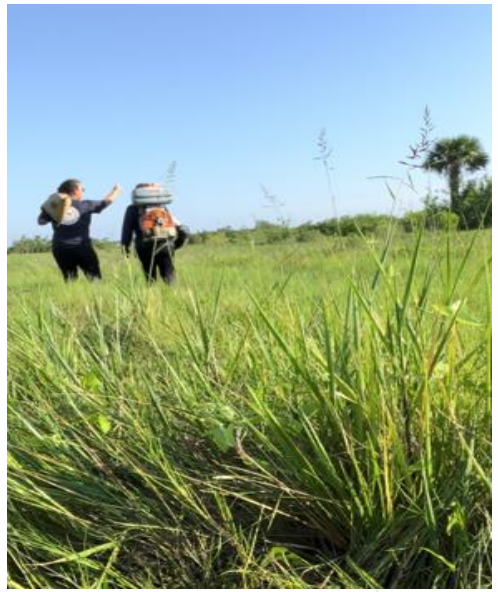
OPERATIONS

LARVICIDE















DATA DRIVEN. FIELD FOCUSED. COMMUNITY PROTECTED.

SURVEILLANCE TODAY. PROTECTION TOMORROW.

OPERATIONS

ADULTICIDE













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SURVEILLANCE TODAY. PROTECTION TOMORROW.

CHEMICALS

AVAILABLE FOR USE



LARVICIDES

- Altosid WSP
- Altosid XR
- Altosid XR-G
- BTI Dunks
- FourStar Briquet - 180
- Mosquito Mist Two
- Natular DT
- NATULAR-XRT
- Sumilarv WSP
- Vectobac 12AS
- Vectobac G
- Vectobac GS

ADULTICIDES

- Talstar P
- Aqua-Kontrol 30-30
- Mosquito Mist Two
- Dibrom



UPDATES & FUTURE

OPERATIONAL INVESTMENTS

Strengthening field data, application capacity, and aerial response.

UPDATES

1. **New Database**

   Centralized treatment records, service requests, mapping, and reporting.

2. **Mesa Tablets**

   Field access for inspections, routes, records, and mission uploads.

3. **Vortex Larv Unit**

   Expanded larvicide application capabilities for ground operations.

4. **Updated ULV Units**

   All ULV units updated to strengthen adulticide application capability.

FUTURE

1. **WeatherStation Multi-Sensor Ultrasonic Instruments**

   Installed on each fog truck for real-time environmental data.

2. **New Helicopters**

   Modernizing aerial response, surveillance support, and applications.

3. **New Drone**

   Expanding aerial surveillance and larvicide response capability.

THAT'S ALL,

FOLKS!

Questions?

ANASTASIA MOSQUITO CONTROL DISTRICT