



City of Jonesboro, Arkansas 2007

*2007 Status Report*

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**Management Team:**

Clark Wood – VP, Business Development

Michelle Selander – Regional Operations Manager – Midwest

Wes Gruenberg – Operations Supervisor – Arkansas

**Office Location:**

700 Burke Avenue

Jonesboro, AR 72401

Mosquito Hotline: 1-800-353-6693

Supervisor on location: Wes Gruenberg

**Fleet:**

- 4 ULV-mounted trucks for day and night operations
- 1 surveillance truck

**Staffing:**

- 4 Field Technicians: Cross-trained in: Field Inspection, Larviciding, Catchbasin, and Night ULV.
- 2 Night Crew: Specifically Dedicated to Night ULV Operations
- 1 Surveillance and Laboratory Assistant: Collect trap data and identify prevalent mosquito larvae and adult species.
- 1 Office Assistant: Answering mosquito hotline and scheduling

**SURVEILLANCE AND WEATHER**

The rainfall for the month of May is just below normal (3.27 actual vs. 4.92 average) while the temperatures have remained consistent in the lower to mid 80's which may trigger a peak annoyance period of mosquitoes.



## Brood Prediction:

The floodwater mosquito (*Aedes vexans*) and the dark rice field mosquito (*Psorophora columbiae* and *Anopheles quadrimaculatus*) are the key nuisance species in the state of Arkansas. Distinct hatches of floodwater mosquito populations, or broods, are triggered by significant rainfall events. The Clarke Brood Prediction Model calculates peak annoyance periods based on rainfall and temperature data collected from weather stations in your area.

Weather Station	Rain Date	Rain Amount	Brood Prediction
Jonesboro	5/2/07	.80	5/15/07
	5/15/07	.46	5/30/07
	6/8/07	.71	6/21/07

## OPERATIONS SUMMARY

### Trapping

6 New Jersey Light Traps were placed throughout the City of Jonesboro in residential and commercial areas that were activated May 1<sup>st</sup>.

Trap#	Address	City	State	Zip
001	406 Magnolia Rd.	Jonesboro	AR	72401
002	4121 Oakhill Ln.	Jonesboro	AR	72401
003	2109 Cain St.	Jonesboro	AR	72401
004	1105 Elkhorn Ln.	Jonesboro	AR	72401
005	3809 Sawgrass Dr.	Jonesboro	AR	72401
006	315 W. Warner Ave	Jonesboro	AR	72401

### 2007 New Jersey Light Trap Counts (See attached Counts)

### Larval Control

Site inspections began on (5/8/07) and concentrated on temporary ground sites including ditches and flooded areas throughout the city limits.

**Sites Inspected: 600 sites**

**Sites Breeding: 41 sites**

**Treated: 5.8 acres**

### Adult Control

Targetted ULV applications began on (5/9/07):

**Amount of chemical used: 200.05**

**Number of miles treated: 1500.4 miles**



***Sections/Times Treated:***

Section 1: 2  
 Section 2: 2  
 Section 3: 4  
 Section 4: 3  
 Section 5: 3  
 Section 6: 4  
 Section 7: 4  
 Section 8: 4  
 Section 9: 4  
 Section 10: 4  
 Section 11: 4  
 Section 12: 4  
 Section 13: 4  
 Section 14: 4  
 Section 15: 4  
 Section 16: 4  
 Section 17: 4  
 Section 18: 4  
 Section 19: 2  
 Section 20: 2  
 Section 21: 2  
 Section 22: 2  
 Section 23: 2  
 Section 24: 2  
 Section 25: 2  
 Section 26: 2

**Upcoming June Operations:**

JON1302	TARGETTED INSPECTION
JON1514	BP APPLICATION VECTOLEX CG
JON1054	WEST NILE VIRUS GRAVID TRAP SERVICE
JON2829	TRUCK ULV CITY WIDE APPLICATION
JON2770	TRUCK ULV FESTIVALS
JON1352	I&L TOUCH-UPS



## Operation and Surveillance Reports:

Attached is a report outlining all services performed year-to-date. These services could include the following:

- **0952 N. J. Light Trap Seasonal Service:** *Seasonal Light Trap Service for adult mosquito population monitoring.*
- **1054 West Nile Virus Gravid Trap Service:** *Seasonal West Nile Virus monitoring trap service.*
- **1252 Complete Site Larval Inspection Service:** *Inspection service of all potential mosquito larvae development sites.*
- **1302 Targeted Site Larval Inspection:** *Inspection of all targeted larval development sites.*
- **1352 Larval Site Service Call:** *Special inspection of standing water for mosquito breeding per hot line request.*
- **1514 Backpack Larviciding:** *Backpack larviciding for biological control of mosquito larvae sites.*
- **1715 Hand Larviciding:** *Hand equipment larviciding for biological control of mosquito larvae.*
- **1852 Mosquitofish:** *Fish stocking of permanent ground sites*
- **2016 Catch Basin Trmt:** *Catch Basin treatment with a sustained-release biological insecticide for larval control.*
- **2105 150 Day Briq Catch Basin Trmt:** *Catch basin treatment) for larval control.*
- **2717 Truck ULV Service Call:** *ULV “touch-up” application for control of mosquito annoyance per citizen hotline request.*
- **2720 ULV Festival Touch-Up Appl:** *Truck ULV “touch-up” application for community festival mosquito control.*
- **2829: Truck ULV:** *ULV application insecticide for adult mosquito control..*

## SERVICES PERFORMED FOR MONTH OF MAY

SERVICE KIT	DESCRIPTION	START DATE	END DATE
JON0952	NEW JERSEY LIGHT TRAP	4/29/07	N/A
JON1302	TARGETTED INSPECTION	5/7/07	5/10/07
JON1514	BP APPLICATION VECTOLEX CG	5/11/07	5/11/07
JON2105	150 DAY ALTOSID BRIG CATCHBASIN APPLICATION	5/15/07	1 <sup>st</sup> week of June
JON2829	TRUCK ULV CITY WIDE APPLICATION	5/10/07	5/14/07