

## Brenda Sipa

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**From:** Cemm Sales [cemmsales@clarkemosquito.com]  
**Sent:** Tuesday, July 03, 2007 1:50 PM  
**To:** Tony Thomas; Doug Formon; Brenda Sipa; Rachel Brewer  
**Subject:** Mosquito Control Report - City of Jonesboro

**Attachments:** SKMBT\_C45007070312450.pdf



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312450.pdf (2 M...

Good Afternoon,

Please find attachment for City of Jonesboro.  
If you have any questions feel free to call or e-mail us.

Sincerely,

Zekira  
630-894-1774

-----Original Message-----

**From:** movex@clarkemosquito.com [mailto:movex@clarkemosquito.com]  
**Sent:** Tuesday, July 03, 2007 7:46 AM  
**To:** Cemm Sales  
**Subject:** Message from KMBT\_C450



## City of Jonesboro

### Operations Summary

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#### SEASON PERSPECTIVE

According to Dr. Max Meisch, entomologist from the University of Arkansas at Fayetteville, the 2007 rice field mosquito season is "worse than normal in Arkansas." *Anopheles quadrimaculatus* mosquitoes are at particularly high numbers, while other nuisance species, such as *Aedes vexans* and *Psorophora columbiana*, have been non-factors so far this season.

The *Anopheles quadrimaculatus* eggs are present in high numbers from the 2006 season. The June flooding of rice fields triggered an immediate hatch. Eggs from the first brood are laid along the waterline, and fluctuating water levels stimulate back-to-back hatches of mosquitoes

#### WEATHER CONSIDERATIONS

The Jonesboro region experienced a significant lack of rain through mid-June, which created a "stockpile" of the 2006 mosquito eggs that did not hatch until rice fields were flooded. Earlier-than-normal rice planting uncovered significant quantities of mosquito eggs which were laid last year and overwintered. With flooding of the fields, broods began emerging earlier than normal.

As of June 20, the Jonesboro area was nearly 6 inches below annual averages for 2007. (Source: KAIT-TV) By the end of June, monthly precipitation levels were more than 2 inches over the average for the month. On the heels of a dry year-to-date, this wet June weather – in conjunction with the stockpile of unhatched.



**SURVEILLANCE :**

**\*CITY OF JONESBORO  
DAILY FEMALE MOSQUITO COUNTS BY TRAP LOCATION**

Trap # >	1	2	3	4	5	6
Date	Magnolia	Oakhill	Cain	Elkhorn	Sawgrass	Warner
June 15	24	56	3200	118	32	5
June 18	75	38	794	319	36	18
June 20	243	216	1600	624	990	260
June 21	492	188	1480	319	770	76
June 22	37	20	228	225	585	34
June 23	18	1	434	228	388	15
June 26	310	21	2100	1680	600	20
June 29	820	60	1650	1200	2504	140
July 1	68	-	292	140	250	60
July 2	52	3	448	165	152	37

\*The second aerial ULV application was performed on the evenings of June 29<sup>th</sup> and 30<sup>th</sup>

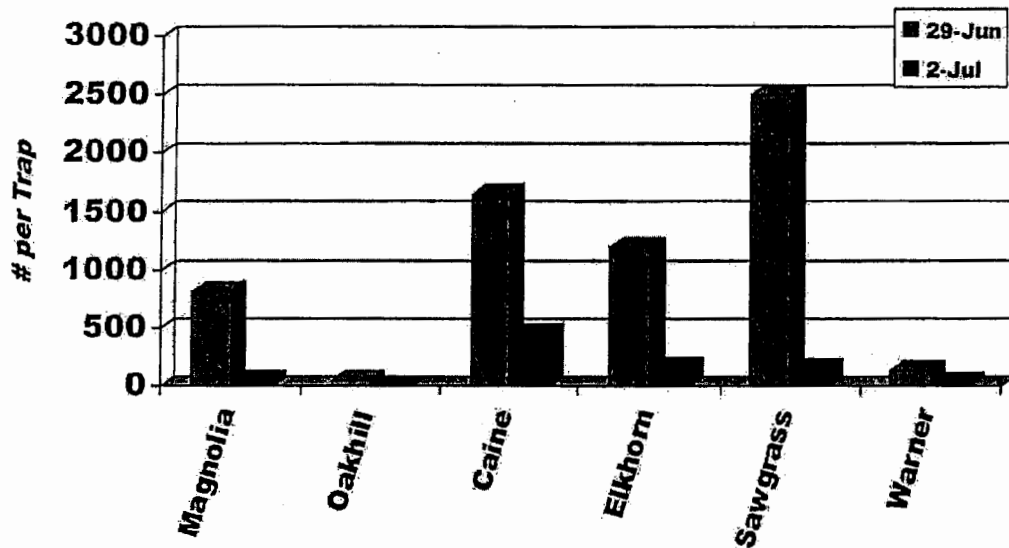


**OPERATIONS SUMMARY:**

Over the past ten (10) days, Clarke Mosquito Control has intensified control services to respond to the above normal mosquito population levels. Efforts have included aerial and truck ULV adult mosquito control applications, and helicopter larviciding of the rice fields. In addition, pre-4<sup>th</sup> of July truck and helicopter ULV applications will be performed in special event areas.

The following is a list of the operations that have been performed in Jonesboro since June 20<sup>th</sup> to fight the worse than normal mosquito populations. In addition, mosquito light trap data is provided to show the significant impact of control services.

**Jonesboro Female Mosquito Trap Counts**





**SERVICES PERFORMED JUNE 20, 2007 – July 3, 2007**

<b>Date</b>	<b>Mosquito Control Services Performed</b>
June 20	<b>Aerial ULV application</b>
June 20	Truck ULV applications of Joe Mack Campbell Park and Southfield Softball Park
June 20	Inspection and larviciding of sites within the City limits
June 21	Truck ULV application – 228.8 miles sprayed
June 21	Truck ULV applications of Joe Mack Campbell Park and Southfield Softball Park
June 22	Truck ULV application – 251.6 miles sprayed
June 22	Truck ULV applications of Joe Mack Campbell Park and Southfield Softball Park
June 23	Truck ULV application – 241.5 miles sprayed
June 23	Inspection and larviciding of sites within the City limits
June 23	Truck ULV applications of Joe Mack Campbell Park and Southfield Softball Park
June 25	Truck ULV application – 219.6 miles sprayed
June 25	Truck ULV applications of Craighead Forest Park, Joe Mack Campbell Park and Southfield Softball Park
June 25	Inspection and larviciding of sites within the City limits
June 26	Truck ULV application – 344.0 miles sprayed
June 26	Truck ULV applications of Craighead Forest Park, Joe Mack Campbell Park and Southfield Softball Park
June 26	Inspection and larviciding of sites within the City limits
June 27	Truck ULV application – 214.6 miles sprayed
June 27	Truck ULV applications of Craighead Forest Park, Joe Mack Campbell Park and Southfield Softball Park
June 27	Inspection and larviciding of sites within the City limits
June 28	Truck ULV application – 59.6 miles sprayed
June 28	Truck ULV applications of Craighead Forest Park, Joe Mack Campbell Park and Southfield Softball Park
June 28	<b>Aerial ULV application</b>
June 29	Truck ULV application – 49.3 miles sprayed
June 29	<b>Aerial ULV application</b>
June 29	Helicopter ULV application – Craighead Forest Park
June 29	Truck ULV applications of Craighead Forest Park, Joe Mack Campbell Park and Southfield Softball Park
June 30	Truck ULV application – 54.7 miles sprayed
June 30	Inspection and larviciding of sites within the City limits
June 30	<b>Aerial ULV application</b>



Date	Mosquito Control Services Performed
June 30	Truck ULV applications of Craighead Forest Park, Joe Mack Campbell Park and Southfield Softball Park
June 30	Helicopter larviciding of rice fields
July 1	Helicopter larviciding of rice fields
July 1	Truck ULV application – 139.1 miles sprayed
July 1	Truck ULV applications of Craighead Forest Park, Joe Mack Campbell Park and Southfield Softball Park
July 2	Truck ULV application – 210.0 miles sprayed
July 1	Inspection and larviciding of sites within the City limits
July 2	Truck ULV applications of Craighead Forest Park, Joe Mack Campbell Park, Fairgrounds, and Southfield Softball Park
July 3	Truck ULV application
July 3	Truck ULV applications of Craighead Forest Park, Joe Mack Campbell Park, Fairgrounds, and Southfield Softball Park
July 3	Inspection and larviciding of sites within the City limits
July 4 – dawn	Helicopter ULV application of Craighead Forest Park, Fairgrounds, and Joe Mack Campbell Park and Southfield Park
July 4 – dusk	Helicopter ULV application of Craighead Forest Park, Fairgrounds, and Joe Mack Campbell Park and Southfield Park