

***RICHMOND COUNTY MOSQUITO  
CONTROL***

***1916 K North Leg Road  
Augusta, Georgia 30909***



Approximately  
400 sq.miles  
200,000 citizens



# Boundaries

- North – Columbia County
- East – Savannah River
- South – Burke County
- West – Fort Gordon



RICHMOND COL

MOSQUITO  COL

McBEAN. GEOR

5098

# Problem Areas





# Before & After







# Before & After









# Surveillance

- Past History
- Plan for 2007

# 2007 Surveillance Plan

- Trap with CDC and Gravid
- Identify and Count
- Virus Testing

# In Comes Our Hero...





Hard at Work



Reference Collection



# June 2007 Mosquito Surveillance

Mosquito Species	Total Mosquitoes	Percent (%) of Total Collected	Human Biter?	Medical Importance
<i>Culex salinarius</i>	6756	44.4	Yes	WNV, EEE, DHW
<i>Coquillettidia perturbans</i>	3752	24.7	Yes	WNV, EEE
<i>Anopheles crucians complex</i>	2337	15.4	Yes	WNV, EEE, DHW
<i>Aedes vexans</i>	1311	8.6	Yes	WNV, EEE, DHW
<i>Anopheles quadrimaculatus</i>	457	3.0	Yes	WNV, EEE, DHW
<i>Culex pipiens complex</i>	167	1.1	Yes	WNV, EEE, DHW, SLE
<i>Psorophora columbiae</i>	102	0.7	Yes	WNV, EEE
<i>Culex erraticus</i>	85	0.6	Maybe	WNV, EEE
<i>Aedes albopictus</i>	71	0.5	Yes	WNV, EEE, DHW
<i>Anopheles punctipennis</i>	23	0.2	Yes	WNV, EEE, DHW
<i>Psorophora howardii</i>	10	0.1	Yes	WNV
<i>Ochlerotatus triseriatus</i>	9	0.1	Yes	WNV, EEE
<i>Ochlerotatus taeniorhynchus</i>	8	0.1	Yes	WNV, DHW
<i>Culex restuans</i>	5	<0.1	Yes	WNV, EEE
<i>Psorophora ferox</i>	2	<0.1	Yes	WNV, DHW
<i>Uranotaenia sapphirina</i>	2	<0.1	No	WNV
<i>Ochlerotatus atlanticus/tormentor</i>	1	<0.1	Yes	WNV, EEE
<i>Culex nigripalpus</i>	1	<0.1	Yes	WNV, DHW, SLE
<i>Ochlerotatus fulvus pallens</i>	1	<0.1	Yes	
<i>Psorophora ciliata</i>	1	<0.1	Yes	WNV
<i>Psorophora cyanescens</i>	1	<0.1	Yes	

**\*15,219 Total Mosquitoes**



What have I  
gotten myself  
into?

# August 2007 Mosquito Surveillance

Mosquito Species	Total Mosquitoes	Percent (%) of Total Collected	Human Biter?	Medical Importance
<i>Culex salinarius</i>	714	30.2	Yes	WNV, EEE, DHW
<i>Coquillettidia perturbans</i>	406	17.2	Yes	WNV, EEE
<i>Anopheles quadrimaculatus</i>	345	14.6	Yes	WNV, EEE, DHW
<i>Aedes albopictus</i>	291	12.3	Yes	WNV, EEE, DHW
<i>Aedes vexans</i>	172	7.3	Yes	WNV, EEE, DHW
<i>Culex pipiens complex</i>	101	4.3	Yes	WNV, EEE, DHW, SLE
<i>Culex erraticus</i>	65	2.8	Maybe	WNV, EEE
<i>Anopheles crucians complex</i>	38	1.6	Yes	WNV, EEE, DHW
<i>Psorophora columbiae</i>	30	1.3	Yes	WNV, EEE
<i>Anopheles punctipennis</i>	3	0.1	Yes	WNV, EEE, DHW
<i>Uranotaenia sapphirina</i>	3	0.1	No	WNV, EEE
<i>Culex nigripalpus</i>	2	<0.1	Yes	WNV, DHW, SLE
<i>Ochlerotatus triseriatus</i>	2	<0.1	Yes	WNV, EEE
<i>Psorophora howardii</i>	1	<0.1	Yes	WNV
<i>Culex territans</i>	1	<0.1	No	WNV

**\*2,361 Total Mosquitoes**

# 2007 Mosquito Surveillance

- June (4 trap nights) - 15,219
- July (4 trap nights) - 1,704
- August (4 trap nights) - 2,361
- September (2 trap nights) - 673
- Grand Total = 19,957
- 1 WNV positive pool



Where will I find another intern even half as great as Sabra??

Maybe I should call UGA

Day	NORTH	CENTRAL	South 1	South 2
MON 12-4 6-10	Payroll Complaints S-N-9	L-C-1 S-C-9	L-S-8 S-S-9 Compl	Send out Map L-N-2 S-Apple Valley S-S-1
TUES 12-4 6-10		L-C-2 S-C-1 Compl	OUT	L-N-2,3 S-Apple Valley
Wed 12-4 6-10	N-9	L-C-2 S-C-1	L-S-8 S-S-9	
Thur 12-4 6-10	Genral Meeting	L-C-2 S-C-1	L-S-8 S-S-10/11	S-Apple Valley S-S-10
FRI 12-12 1-5	Genral Meeting	Friday SPRAY		



# \$ Budget \$

- 2005 - 110,000
- 2006 - 110,000 + 63,000 Add-In
- 2007 - 170,000
- 2008 Requesting 258,000



# Want To Add

- 1 Worker
- 1 Truck
- More Chemicals



# Results

- Better Coverage
- Areas sprayed more frequently
- Fewer Mosquitoes
- More Satisfied Citizens

# Developing Working Relationships

- Augusta Cares - Mayor's Office
- Board of Education
- Parks and Recreation
- Public Works
- Code Enforcement

# Developed Community Education Program for Schools, Civic Groups, Churches, and Homeowners Groups



# Special Thanks

- Rosmarie Kelly
- Danny Mead
- Trey English
- Mike Leahy
- Randy Wishard
- Cheryl E. Turner