

***RICHMOND COUNTY
MOSQUITO CONTROL***



BARRIER SPRAY & TRAPPING

PURPOSE

- REDUCE ULV SPRAYING
- REDUCE COMPLAINTS
- DEVELOP PLAN FOR PROGRAM
- CAN WE GET BETTER CONTROL ????????

OUR EQUIPMENT

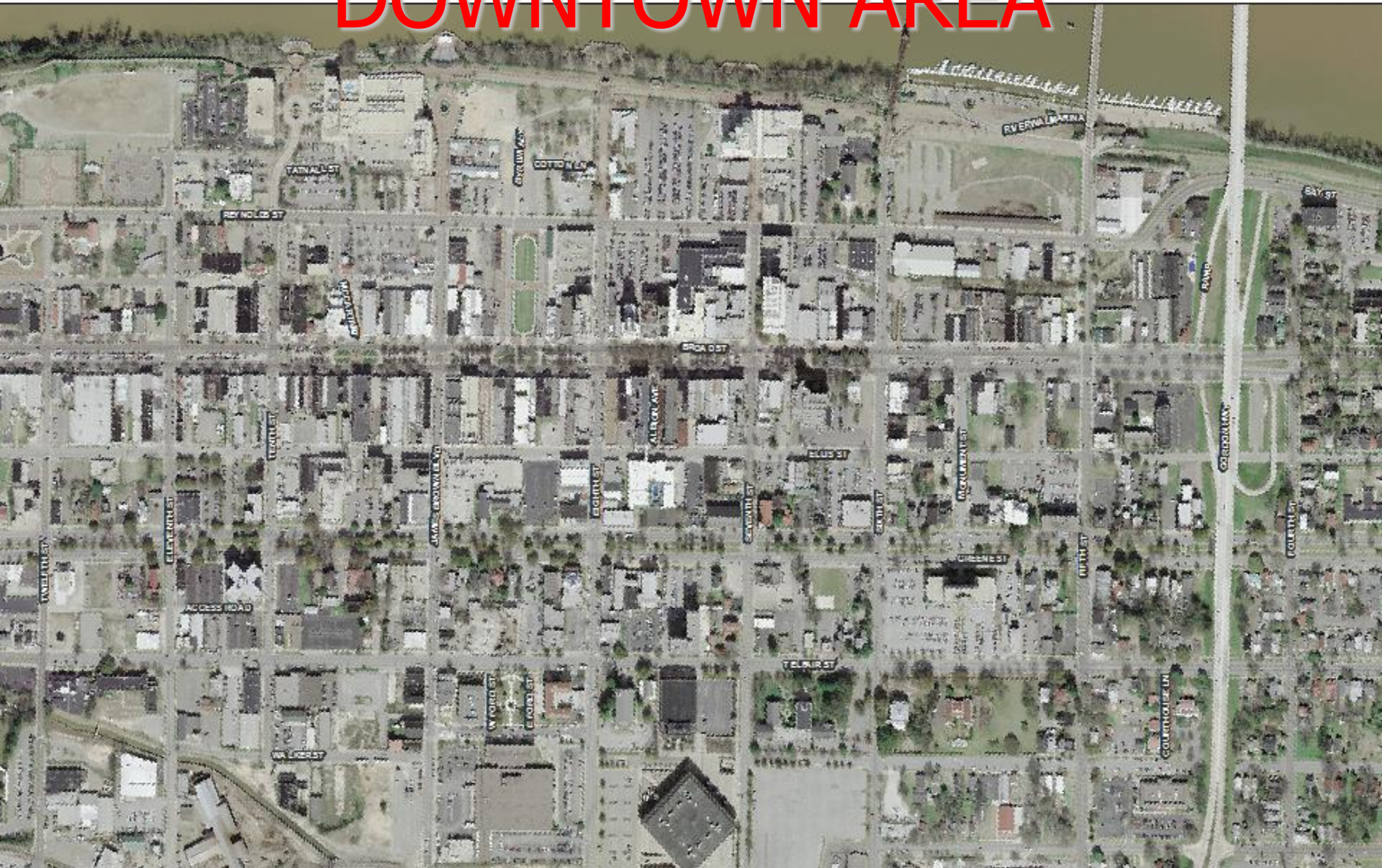
- 2008 610 KAWASAKI MULE
- RESTORED HERBICIDE SPRAYER
- 2 RETIRED MOSQUITO TECHNICIANS



I hope he hurries

I got to go too

DOWNTOWN AREA



BARRIER SPRAY SITES

- **SELECTION CRITERIA**

- BUSINESS LOCATIONS
- RESTAURANTS
- PARKING AREAS
- CONCENTRATIONS OF PEOPLE
- PUBLIC FACILITIES
- RESIDENTIAL
- SPECIAL EVENTS

BROAD STREET SITES

- 933 BROAD STREET

- Next to parking lot



BROAD STREET SITES

- 838 BROAD STREET

- James Brown Statue

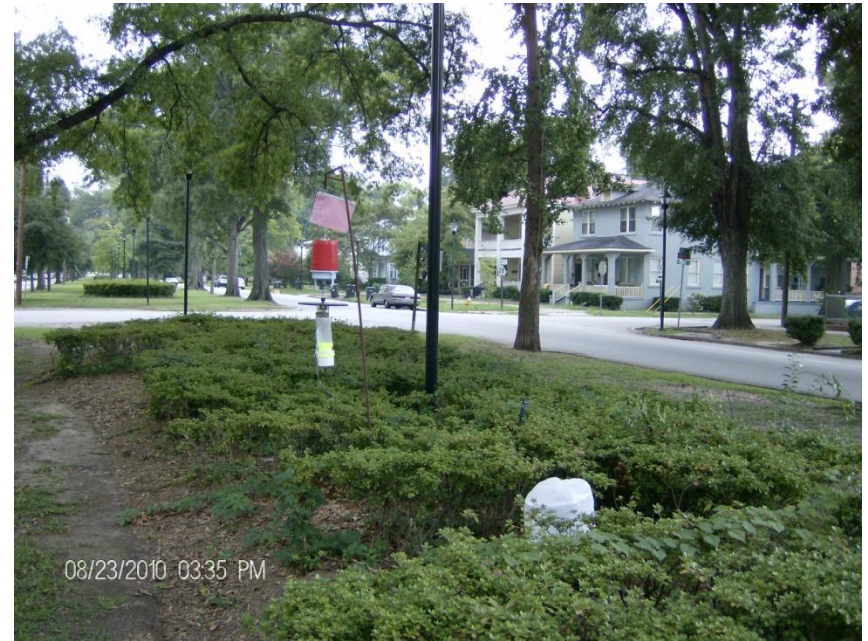
- Augusta Common



BROAD STREET SITES

- 305 BROAD STREET

- Residential
- Law Offices
- Complaint Area



BROAD STREET SITES

- 223 BROAD STREET

- Residential

- Complaint Area



BROAD STREET SITES

- 101 BROAD STREET

- Residential
- Complaint Area
- Beginning of Old Town



BARRIER SPRAY TRAP COUNTS

| | | Rain | | | Pre Spray | Trap Date | Trap Date | Trap Date |
|--------|--------------|----------|-------------------|--|------------|-----------|-----------|-----------|
| Trap # | Address | Map Grid | GPS | | Date/Count | Count | Count | Count |
| | | | | | 5-May-10 | 10-May-10 | 17-May-10 | 24-May-10 |
| 1 LT | 933 Broad St | 111/S/49 | 33.47625+81.96836 | | 3 | 4 | 4 | 0 |
| 1 GR | | | | | 1 | 10 | 0 | 2 |
| 2 LT | 838 Broad St | 111/S/50 | 33.52777+82.04730 | | 2 | 5 | 5 | 0 |
| 2 GR | | | | | 0 | 8 | 4 | 3 |
| 3 LT | 305 Broad St | 131/T/51 | 33.47132+81.95394 | | 4 | 5 | 4 | 0 |
| 3 GR | | | | | 13 | 3 | 0 | 7 |
| 4 LT | 223 Broad St | 131/T/51 | 33.47265+81.95202 | | 2 | 0 | 5 | 7 |
| 4 GR | | | | | 15 | 11 | 9 | 0 |
| 5 LT | 101 Broad St | 131/T/52 | 33.46977+81.94963 | | 0 | 1 | 6 | 5 |
| 5 GR | | | | | 11 | 6 | 10 | 1 |
| | | | | | 51 | 53 | 47 | 25 |

BARRIER SPRAY TRAP COUNTS

| Spray 3 weeks prior | | Rain* 7 days prior ** | | Pre Spray | Trap Date | Trap Date | Trap Date |
|---------------------|--------------|-----------------------|-------------------|------------|-----------|------------|------------|
| Trap # | Address | Map Grid | GPS | Date/Count | Count | Count | Count |
| | | | | 5-Aug-10** | 9-Aug-10 | 16-Aug-10* | 23-Aug10 * |
| 1 LT | 933 Broad St | 111/S/49 | 33.47625+81.96836 | 4 | 2 | 3 | 6 |
| 1 GR | | | | 1 | 5 | 3 | 10 |
| 2 LT | 838 Broad St | 111/S/50 | 33.52777+82.04730 | 11 | 11 | 19 | 5 |
| 2 GR | | | | 11 | 15 | 26 | 14 |
| 3 LT | 305 Broad St | 131/T/51 | 33.47132+81.95394 | 17 | 9 | 4 | 27 |
| 3 GR | | | | 14 | 15 | 3 | 22 |
| 4 LT | 223 Broad St | 131/T/51 | 33.47265+81.95202 | 7 | 18 | 15 | 48 |
| 4 GR | | | | 1 | 4 | 9 | 13 |
| 5 LT | 101 Broad St | 131/T/52 | 33.46977+81.94963 | 36 | 4 | 18 | 40 |
| 5 GR | | | | 10 | 1 | 0 | 3 |
| | | | | 112 | 84 | 100 | 188 |

RESULTS BROAD STREET

- Early on good results
- No rain events early
- When the rain came it reduced the residual effect significantly
- Countered the spike with ULV spraying
- Complaints went to “0”

GREEN STREET SITES

- 1001 GREEN STREET

- Apartments
- Drug Store
- Small Setting Area



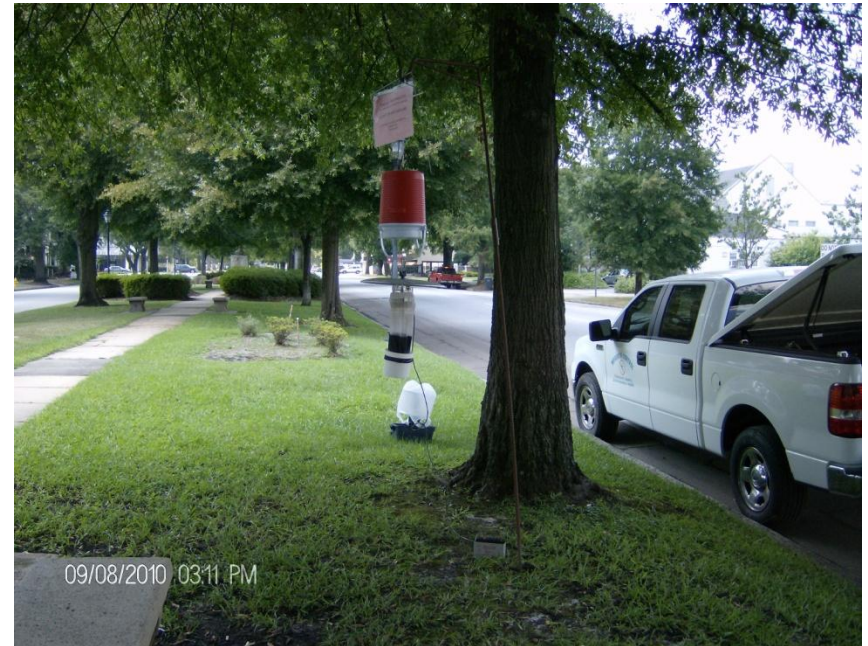
GREEN STREET SITES

- 801 GREEN STREET

- Law Offices

- Business

- Residential



GREEN STREET SITES

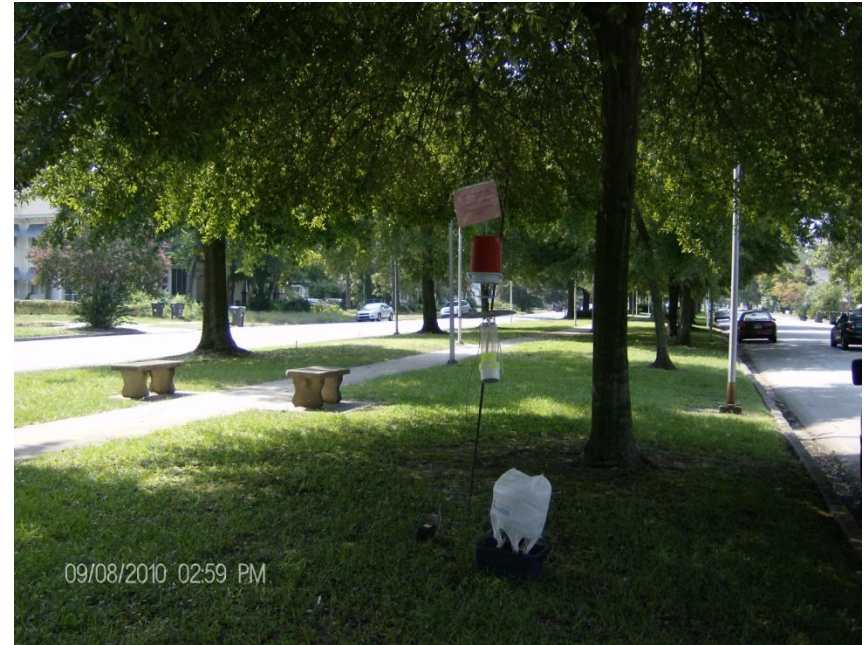
- 520 GREEN STREET
- City Hall
- Law Offices
- UGA Extension Office
- Apartments
- Complaint Area



GREEN STREET SITES

- 201 GREEN STREET

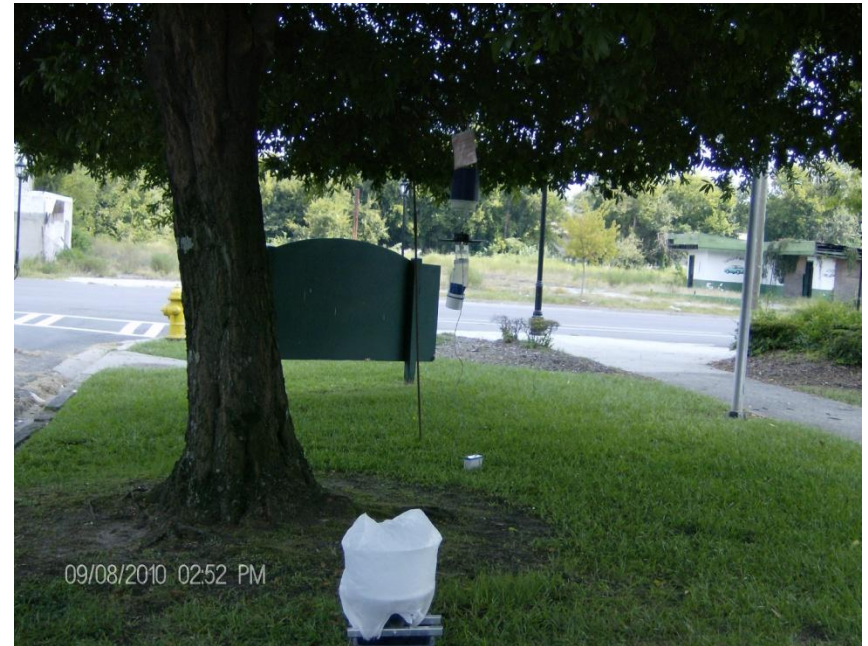
- Park Area
- Residential
- Complaint Area



GREEN STREET SITES

- 01 GREEN STREET

- Residential
- Complaint Area
- Beginning of Old Town



BARRIER SPRAY TRAP COUNTS

| | | | | Pre Spray Date/Count | Trap Date Count | Trap Date Count | Trap Date Count |
|------|----------------|----------|-------------------|-------------------------|--------------------|--------------------|--------------------|
| | | | | 6-Jun-10 | 8-Jun-10 | 14-Jun-10 | 21-Jun-10 |
| 1 LT | 1001 Green St. | 131/T/49 | 33.47486+81.97072 | 0 | 6 | 3 | 0 |
| 1 GR | | | | 1 | 7 | 7 | 3 |
| 2 LT | 801 Green St | 131/T/50 | 33.47333+81.96642 | 1 | 6 | 0 | 1 |
| 2 GR | | | | 1 | 0 | 3 | 2 |
| 3 LT | 520 Green St | 131/T/50 | 33.47125+81.95059 | 5 | 9 | 6 | 1 |
| 3 GR | | | | 4 | 1 | 0 | 5 |
| 4 LT | 201 Green St | 131/T/51 | 33.46841+81.95232 | 9 | 9 | 3 | 2 |
| 4 GR | | | | 10 | 2 | 3 | 6 |
| 5 LT | 01 Green St | 131/T/52 | 33.46738+81.94912 | 2 | 1 | 8 | 2 |
| 5 GR | | | | 2 | 8 | 2 | 7 |
| | | | | 35 | 49 | 35 | 29 |

RESULTS GREEN STREET

- Early Results were acceptable
- No rain events early on
- Later on in the season we had problems with sprinklers being used by the City on days when they were not supposed to water.
- Countered the spike with ULV spraying
- Complaints went to “0”

MCG HOSPITAL

- Student Center
- Main Pavilion
- Cancer Center
- Parking Area



BARRIER SPRAY TRAP COUNTS

| | | Rain | Spray 3 wks prior | Pre Spray | Trap Date | Trap Date | Trap Date |
|--------|-------------------|----------|-------------------|------------|-----------|-----------|-----------|
| Trap # | Address | Map Grid | GPS | Date/Count | Count | Count | Count |
| | | | | 1-Jul-10 | 6-Jul-10 | 12-Jul-10 | 19-Jul-10 |
| 1 LT | Pavilion #3 | 131-T-47 | 33.46910+81.99034 | 1 | 1 | 1 | 0 |
| 1 GR | | | | 1 | 0 | 0 | 0 |
| 2 LT | Student Center #1 | 131-T-47 | 33.46930+81.99150 | 0 | 0 | 2 | 2 |
| 2 GR | | | | 3 | 0 | 0 | 0 |
| 3 LT | Student Center #2 | 131-T-47 | 33.46969+81.99197 | 0 | 0 | 0 | 3 |
| 3 GR | | | | 4 | 1 | 1 | 3 |
| 4 LT | Cancer Center #1 | 131-T-47 | 33.46959+81.99209 | 0 | 6 | 0 | 0 |
| 4 GR | | | | 1 | 1 | 3 | 0 |
| 5 LT | Cancer Center #2 | 131-T-47 | 33.46869+81.98598 | 0 | 0 | 0 | 0 |
| 5 GR | | | | 2 | 0 | 0 | 0 |
| | | | | 12 | 9 | 7 | 8 |

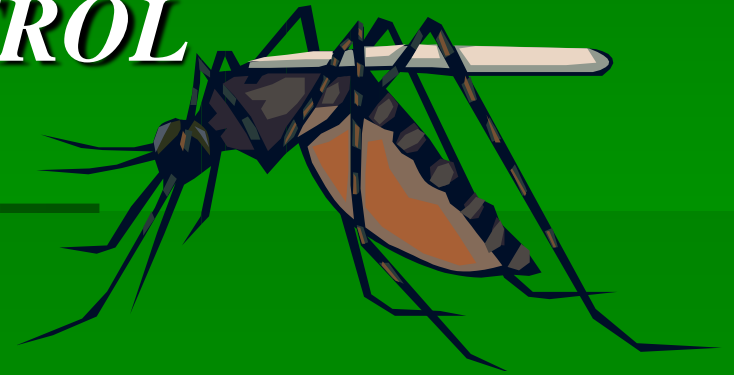
RESULTS MCG

- There were not enough mosquitoes trapped to make any significant assessment.
- We will continue to treat area on a 6 week rotation thru October 1

CONCLUSIONS

- Barrier Spray is an effective weapon
- In some areas we made significant progress
- Rain events need to be looked at in advance if possible (Long range forecast)
- Coordinate with Parks Dept about sprinklers
- The six week rotation seems OK for now
- Good response from the public
- Mule and sprayer accepted by the public

*RICHMOND COUNTY
MOSQUITO CONTROL*



THANK YOU