

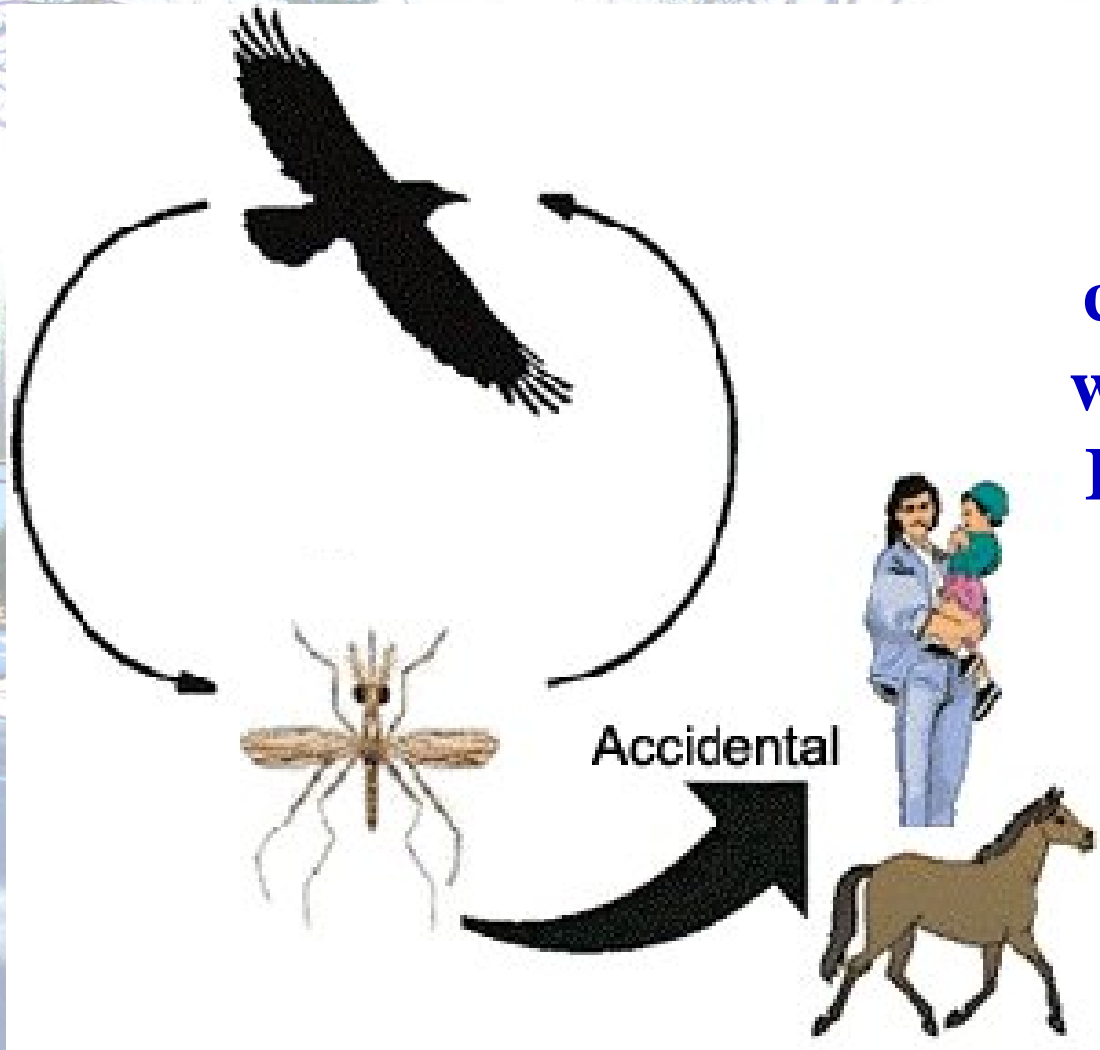
Using Motorized Scooters in Chatham County

Georgia Mosquito Control Association

*Heather Ferguson
and Bobby Moulis*



West Nile Virus Cycle



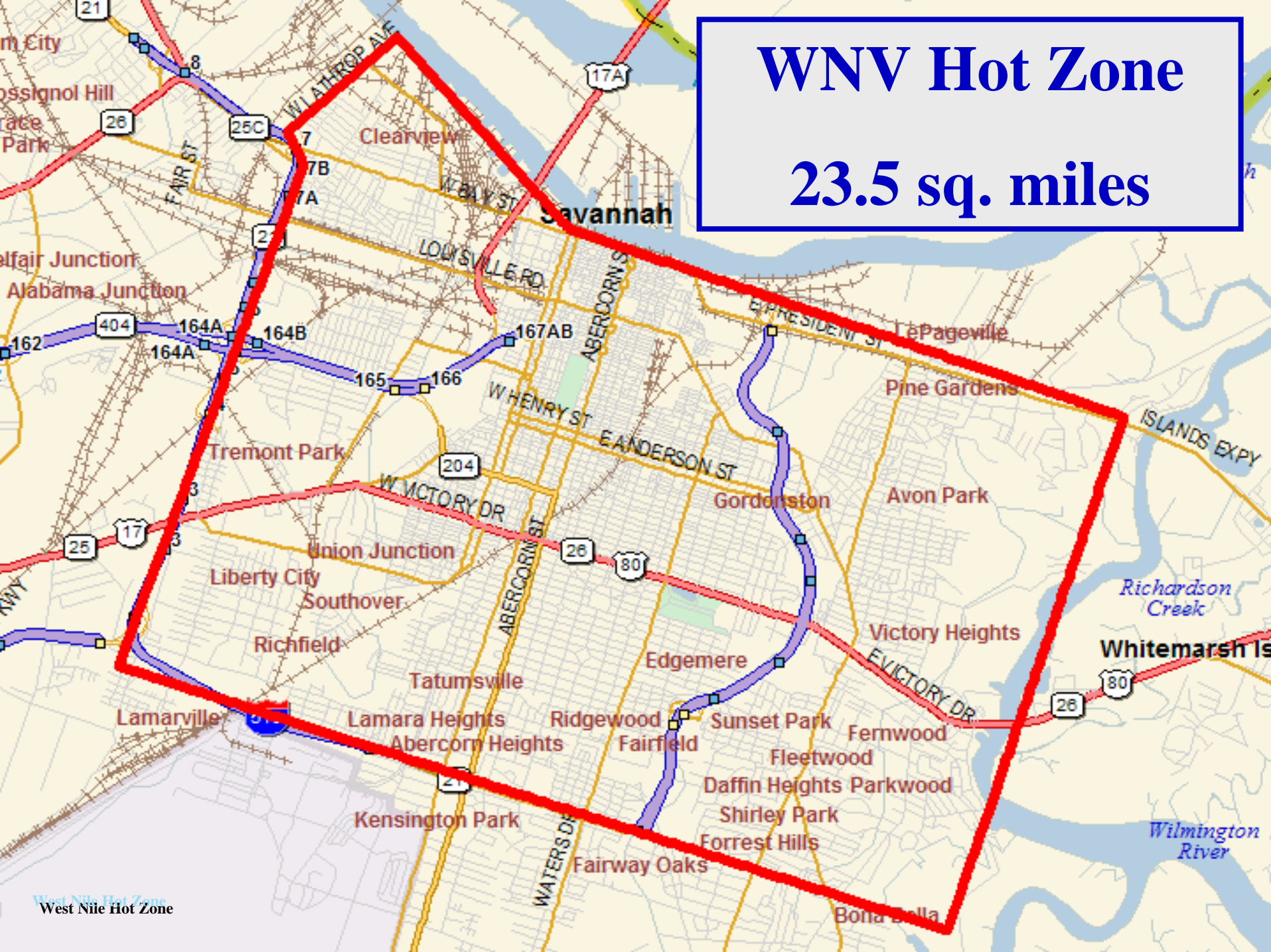
West Nile Virus circulates within the wild bird population. In Chatham County the primary vector species is *Culex quinquefasciatus*

West Nile In Chatham County

	2001	2002	2003	2004	2005	2006	2007
Birds	6	23	27	0	0	0	1
Horses	0	1	1	0	0	0	0
Mosquito Pools	0	9	67	38	0	0	36
Human Cases	0	0	9	1	0	1	0
Fatalities Cases	0	0	1	0	0	0	0

WNV Hot Zone

23.5 sq. miles



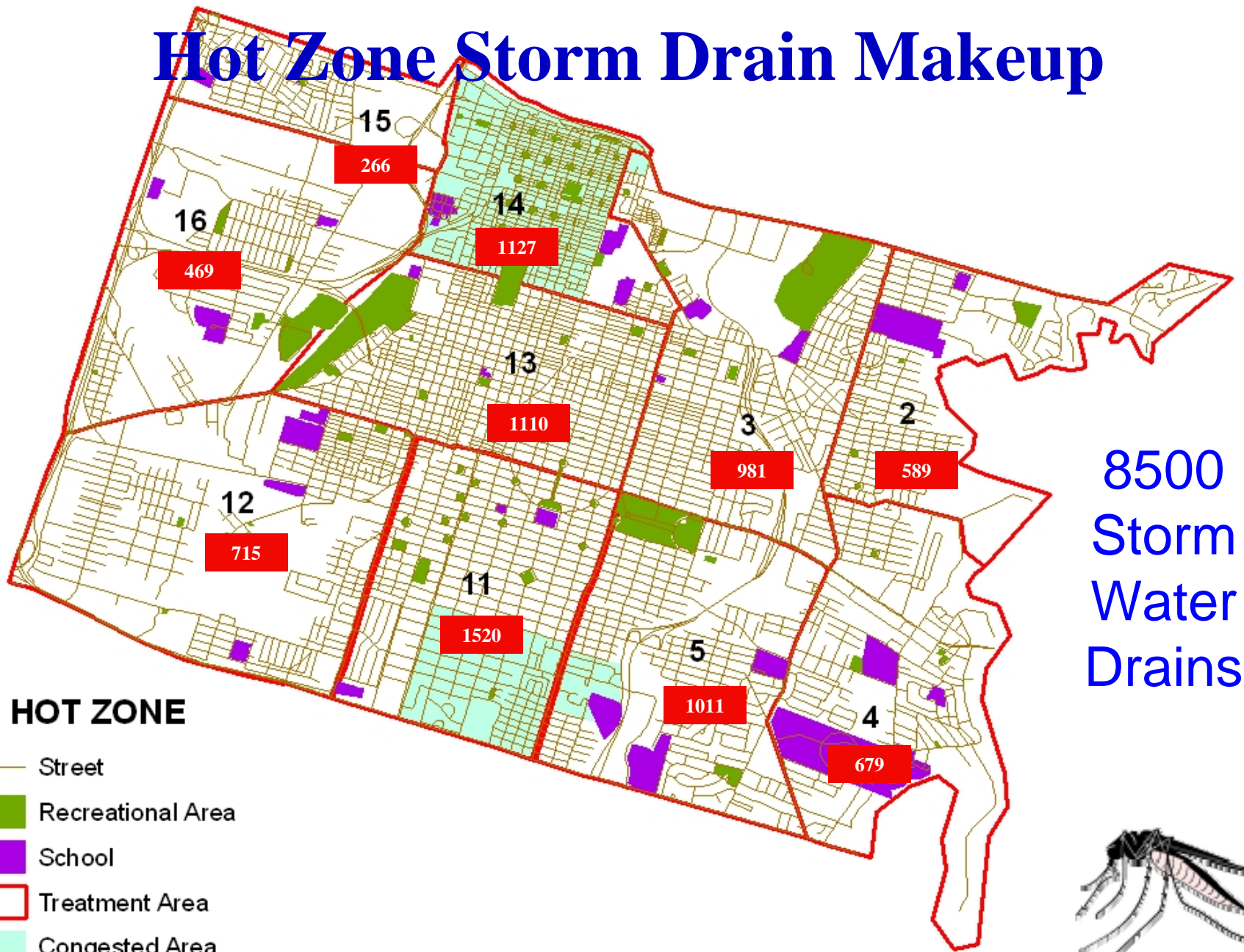
Storm Drain Types



Storm Drain Water



Hot Zone Storm Drain Makeup



8500
Storm
Water
Drains

HOT ZONE

- Street
- Recreational Area
- School
- Treatment Area
- Congested Area
- Historic District



Hand Treatments

Altosid Ingots and Pellets

2003



80% Mozzie, 20 % Hand
250 Days/2 Employees (dual use trucks)
2004



Project Origination

?



Utah

Canada



TCB Adventure 101S



•No License Required

•70 mpg

2005



- **Risk Manager**
- **10 hrs training
(Russ Moore with
Coastal Scooters)**
- **Practice with
rentals**
- **MSF**

**Motorcycle Safety
Training Program**

2005 Application

**Altosid Pellets
100 – 150
Per
Operator**



Application

2005



**Water Soluble Packs
(Ready to Use)**



**300 – 350
Per
Operator**

Application

2006



Water Soluble Packs
(Ready to Use)
300-350

VectoLex
B. sphaericus

Vehicle Treatments



Schools

Hospitals

Historic Sites

Heavy Traffic Areas

Safety Strobe Lights



Transporting the Scooters (\$7,200)

- Rear Ramp Door
- 9 Floor Rings
- 4 Door Lights
- 4' Side Door
- 10 Wall Rings
- 20 X 8.5



Securing Scooters During Transport



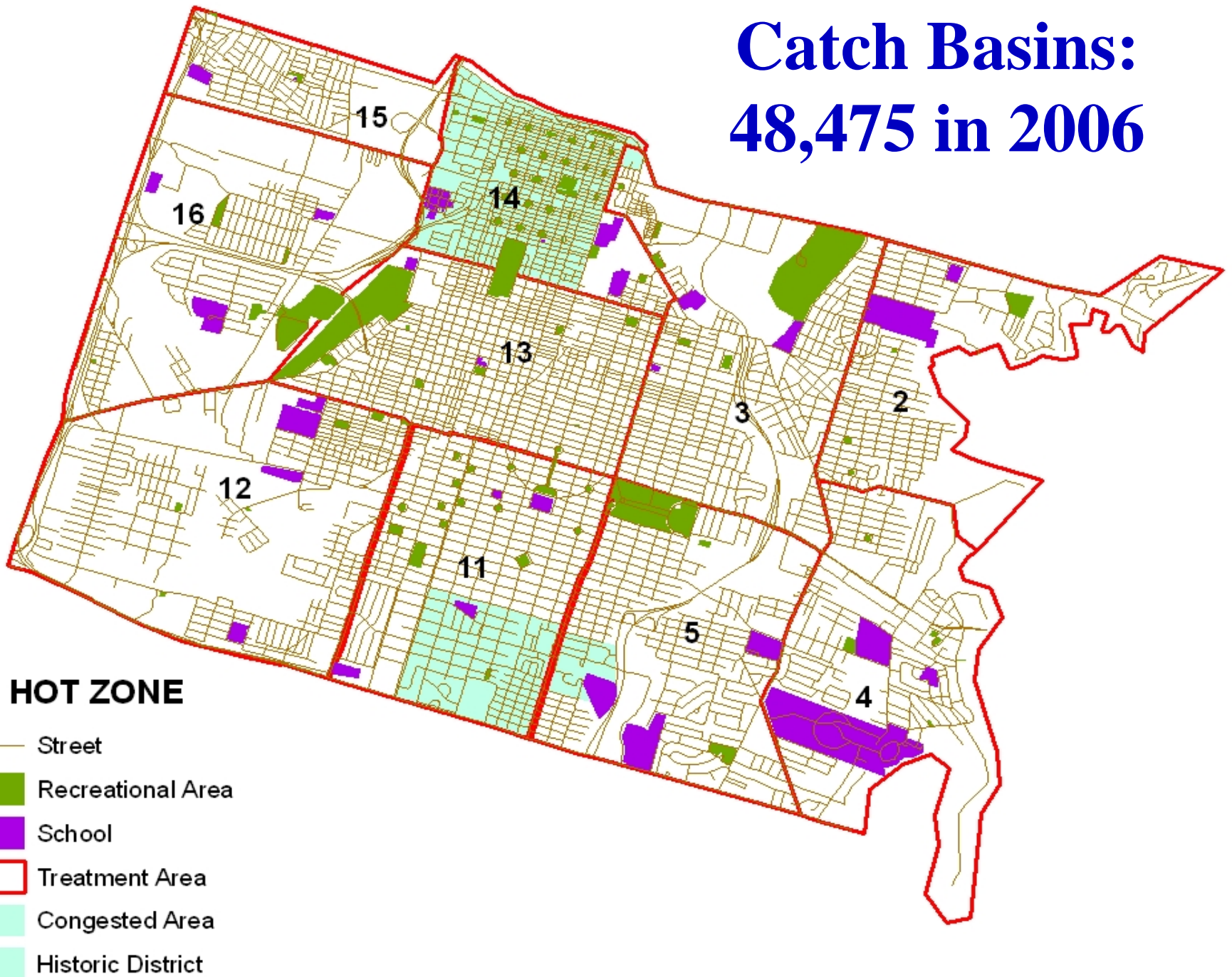
Trailer Upgrade



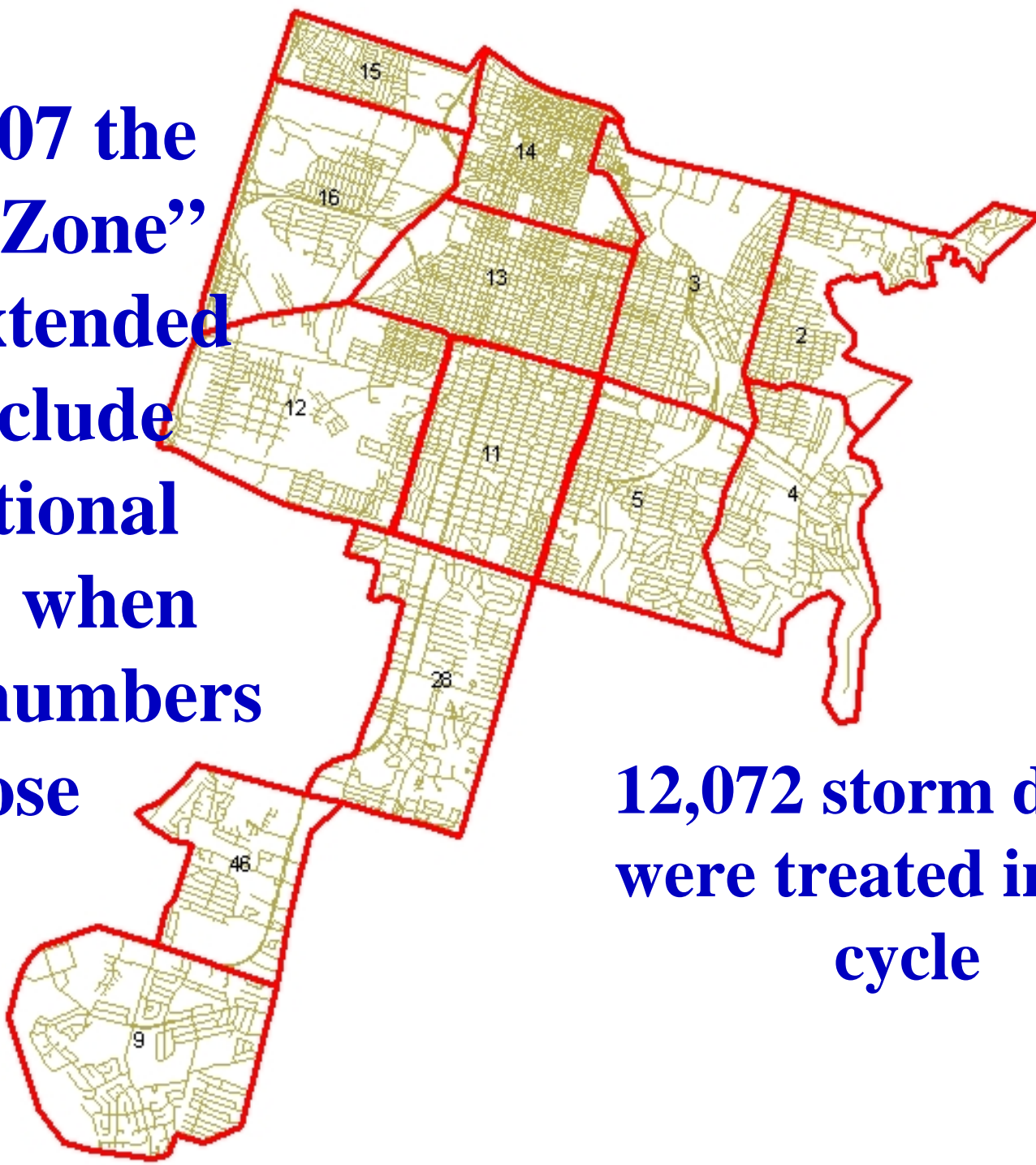
Out-reach Programming



Catch Basins: 48,475 in 2006

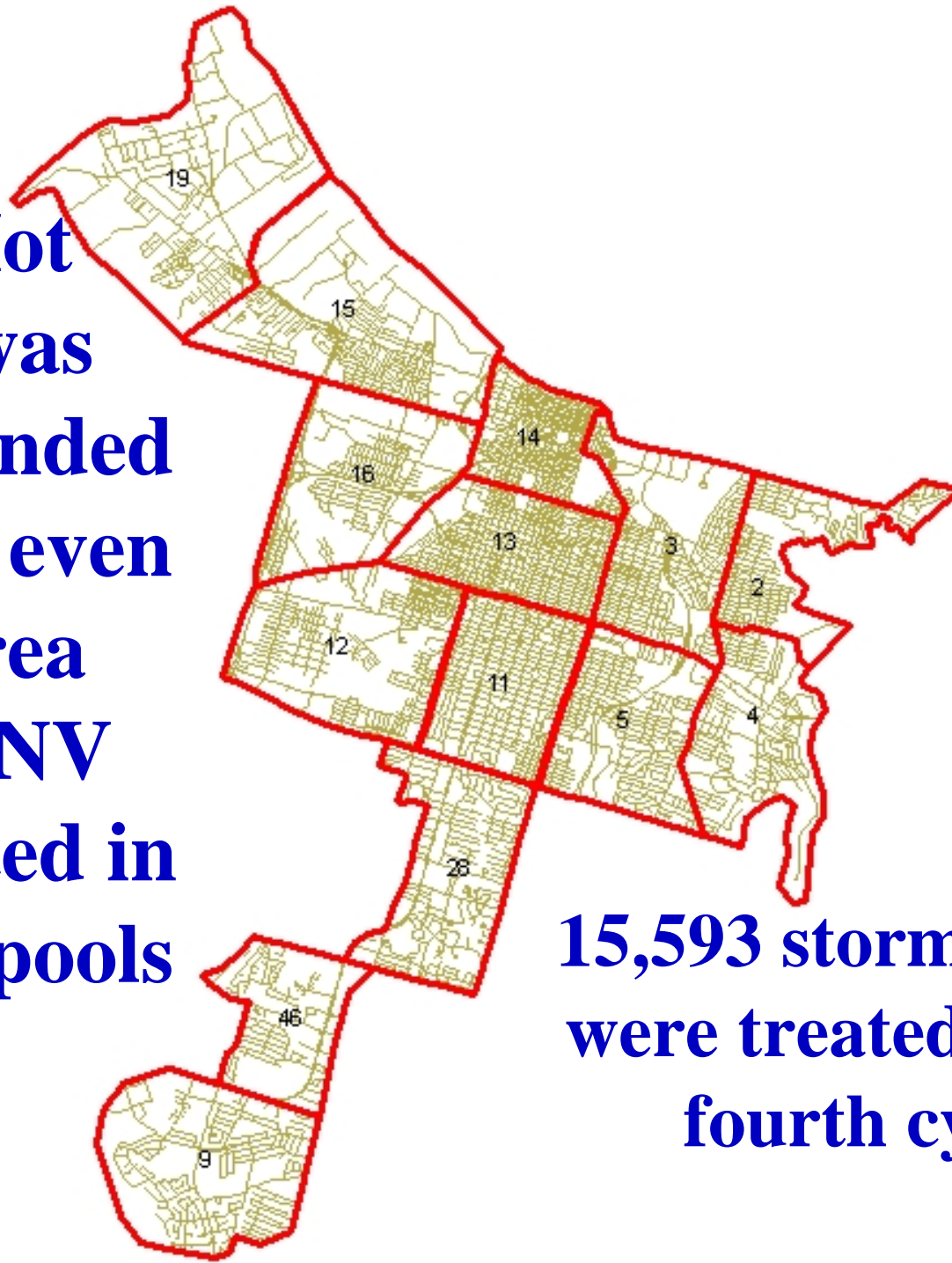


**In 2007 the
“Hot Zone”
was extended
to include
additional
areas when
Culex numbers
rose**



**12,072 storm drains
were treated in first
cycle**

The “Hot Zone” was again extended to include even more area when WNV was detected in mosquito pools



15,593 storm drains were treated by the fourth cycle

Goals

- **Use a 30 day product that required retreatment on a monthly schedule**
- **Treat areas outside our “WNV Hot Zone” if necessary without impacting treatment of our original target zone**
- **Minimize Ground Adulticiding**
- **Prevent human cases of West Nile Fever / encephalitis in our community.**



Operators





Thank You