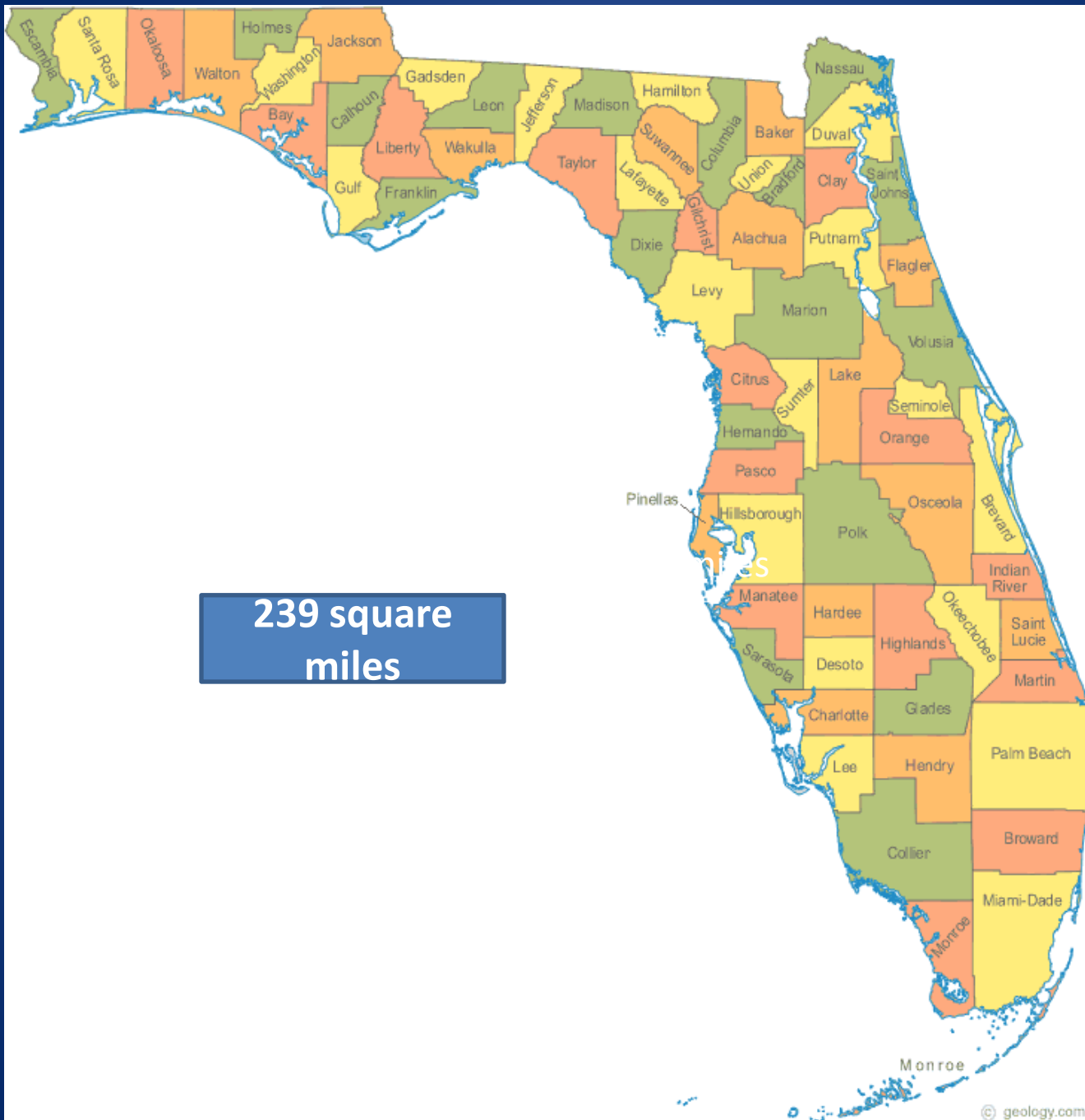


Dengue Outbreak in Martin County Florida

Gene Lemire

Director of Martin County Mosquito Control



239 square miles

Mosquito Control

7 people

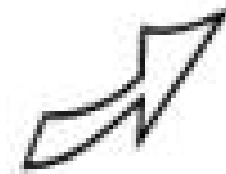
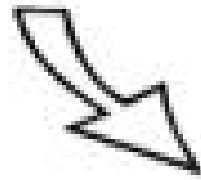
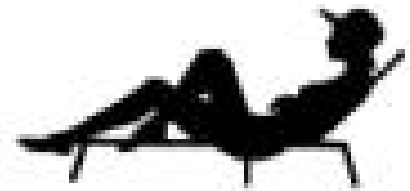
Mosquito Control

Aquatic Weed Control

Right of Way Control

African Bee Control



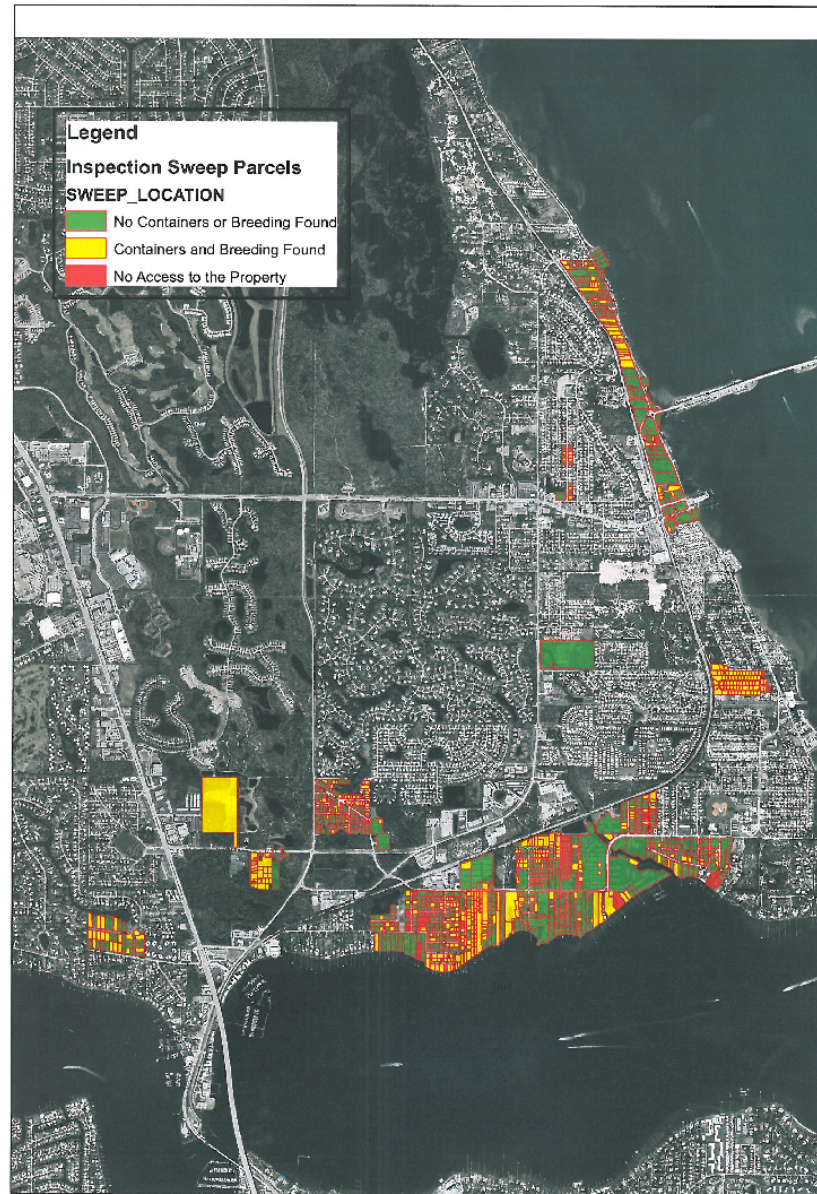


Viraemia
3 - 12 days
(Average 4 - 5)

Extrinsic incubation period
8 - 10 days

Incubation period
3 - 12 days
(Average 4 - 5)

MARTIN COUNTY MOSQUITO CONTROL



Dengue Fever Outbreak 2013



Epicenter of Disease

- Rio --- 356 acres
- Jensen Beach ----151 acres

Why Rio

What makes this area different?

- Old Florida neighborhood
- People sit outside and work outside
- People sit outside at night
- People are used to a few mosquitoes
- Lots of old growth and bromeliads and containers
- Lot of low income residents

Why Down Town Jensen

- Older part of town
- Lots of open air restaurants
- Lots of rental property
- Lots of containers
- Heavy vegetation around some businesses

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BAR & GRILL

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More Than
EAT&DRINK
We Deliver
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Control Measures

- Ground ULV truck adulticiding
- Aerial adulticiding
- House to house inspections (Sweeps)
 - Inspect for larva and containers
 - Dump containers
 - Larvicide
 - Adulticide
 - Educate homeowner if present

Chemicals Used

- Dibrom
- Permanone 30x30
- Wisdom
- Altosid xrg
- Four star 180 briquettes



08.26.2013 09:09



08.26.2013 09:10



JT0070



National Gypsum

Contains No Heavy Metals
Made in USA

08.26.2013 09:21





2 PD

ARROW

08.27.2013 10:27







08.27.2013 10:08



08.27.2013 09:46





09.03.2013 09:30













Messages

- Television
- Radio
- Press releases
- New paper
- Reverse 911
- Boucher's
- Door to door surveys

RIO CIVIC CENTER 1255 N.E. Dixie Hwy.

RIO CIVIC CLUB Neighborhood Volunteers

Public Welcome 334-3187

RIO - A little bit of Heaven on 707



DENGUE ALERT * HELP OUT !

SEPT 4 6 PM RCC MTG

28 9 AM RIO NA T REPK

CLEAN UP

Percent breeding

- First sweep 30 % of properties positive for mosquitoes.
- Second Sweep 14 % of properties positive for mosquitoes
- Third sweep in select areas 0 % of properties negative for mosquitoes.

Problems

- Addresses from Health Dept.
- People taking your traps
- People not paying attention to the message of protecting themselves from mosquito bites and emptying containers
- Homes we could not get into

Problems

- People did not take it seriously
- Many people turned their containers back over the next day
- Took about 3 weeks of constant messaging to see that the message was getting through
- *Aedes aegypti* are extremely hard to kill due to their hiding places.



THAT'S ALL FOLKS