

Key Haven GM Release Survey

Purpose:

The Key Haven neighborhood on Stock Island (unincorporated Monroe County, FL 33040) is being considered as a possible trial area for genetically modified mosquitoes, pending FDA and State approvals. Trapping of *Ae. aegypti* mosquitoes and eggs by Florida Keys Mosquito Control District staff over several months in 2012-13 indicated that *Ae. aegypti* densities in Key Haven were similar to neighborhoods on the island of Key West. Because Key Haven is a peninsula, there is less likelihood for dispersal of adult *Ae. aegypti* into and out of potential treated and control areas compared to any release area located physically within a larger residential/urban area. Therefore, the likelihood for obtaining meaningful results is higher than most areas on the island of Key West.

In preparation for a potential release of genetically modified mosquitoes, FKMCD wished to get a baseline perception of GM mosquitoes from the residents of Key Haven.

Methods:

Face-to-face surveys were conducted by FKMCD staff between March 18-May 17. All homes were visited up to 4 times, or until a successful survey was taken. Among those visits, one was in the morning hours (8 a.m. to 12 p.m.), one in the afternoon from (1 p.m. to 4 p.m.) and one in the evening hours (5 p.m. to 7:30 p.m.). If FKMCD staff were not able to talk to a resident by the third visit, a door hanger was placed on the door requesting them to please call us to set up a time that would be good for them. Door knockers were picked up a week later. All residents were asked the same questions, written on a script.

The Key Haven peninsula was split into 3 sections: Potential release area (green), Buffer area (yellow), Non-release area (blue).



Results:

In the potential release area (green shaded area), there are 103 homes, of which FKMCD surveyed 67 of the residents (65%).

In the potential buffer zone (yellow shaded area), there were 86 homes, of which FKMCD surveyed 55 of the residents (63%).

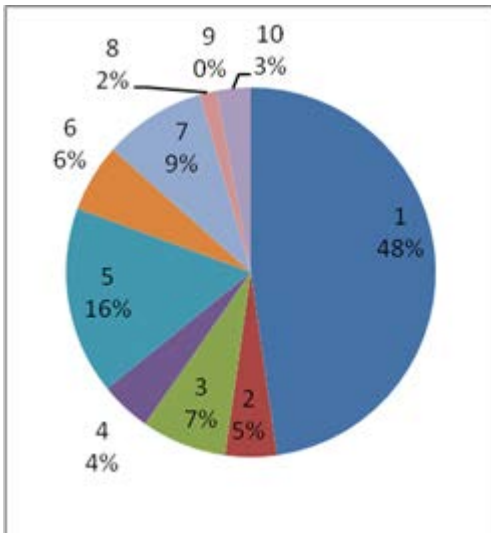
In the potential non release zone (purple shaded area), there were 255 homes, of which FKMCD surveyed 127 of the residents (49.8%).

Overall there are 444 homes of which FKMCD surveyed 249 residents (56%).

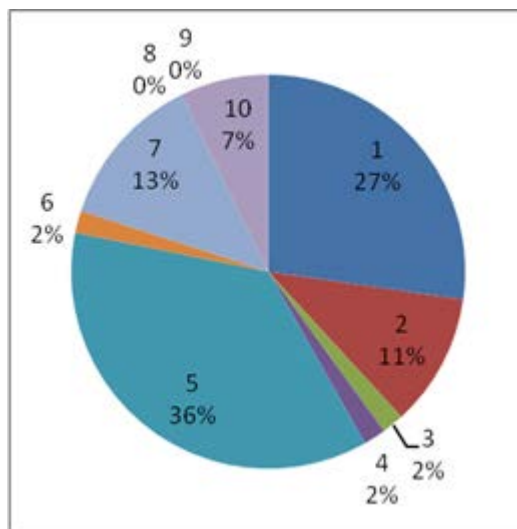
Questions from Survey:

Question 1: Before today, how much had you read, heard or seen about this technology? “1” stands for “nothing at all” and “10” stands for “very much”.

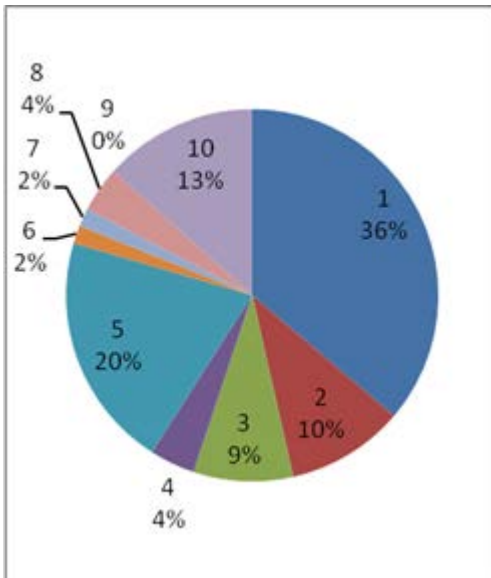
Potential Release answered:



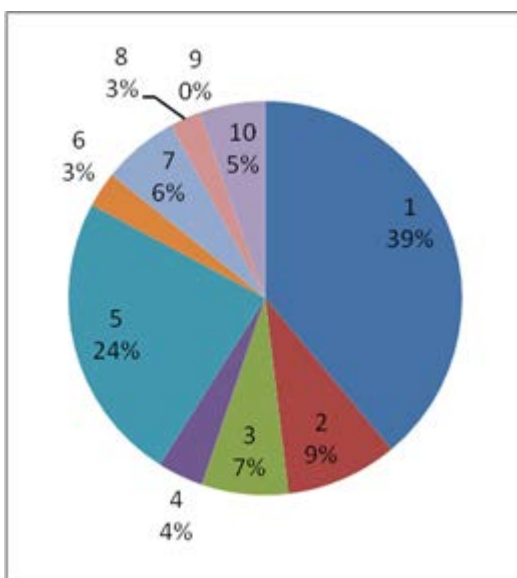
Buffer zone:



Non release area:



All areas combined:

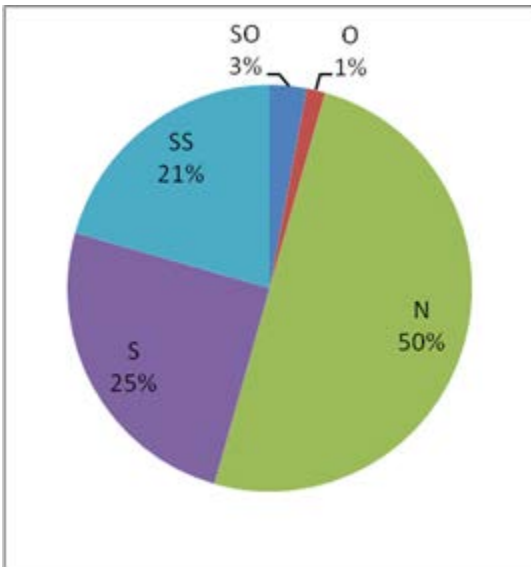


Overall:

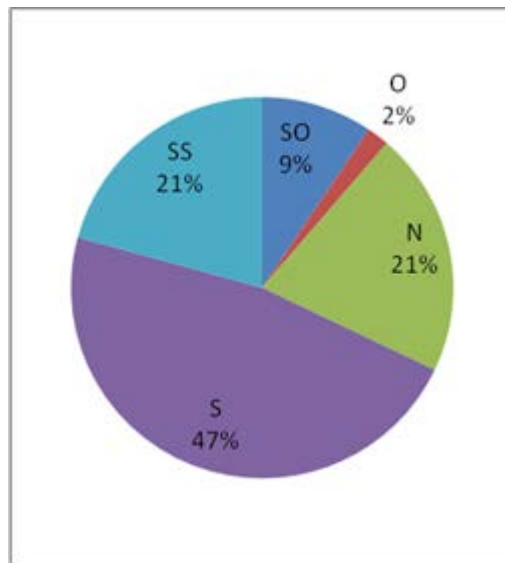
Question 2: The Florida Keys Mosquito Control is considering releasing genetically engineered mosquitoes in this area, do you:

- Strongly Oppose=SO
- Oppose= O
- Neutral= N
- Support=S
- Strongly Support=SS

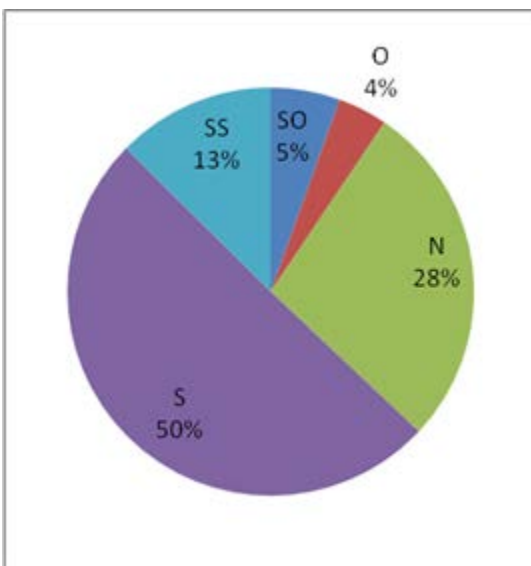
Potential Release Area:



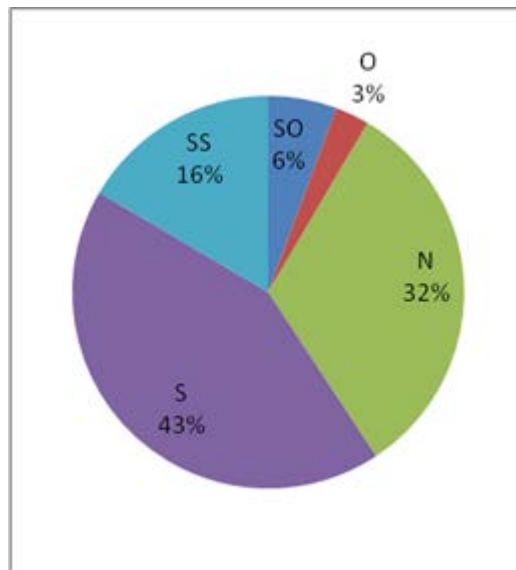
Buffer Zone:



Non release area:



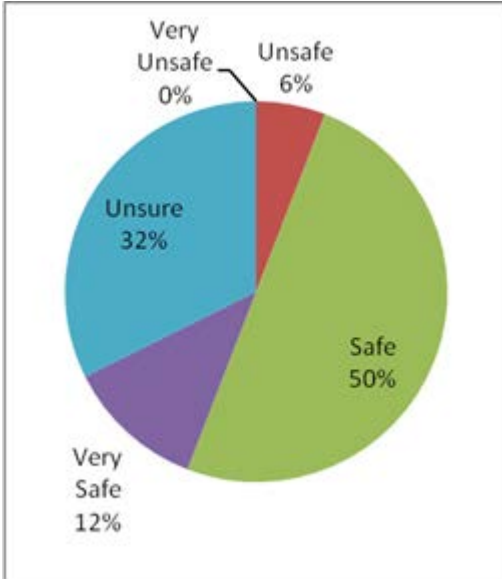
All areas combined:



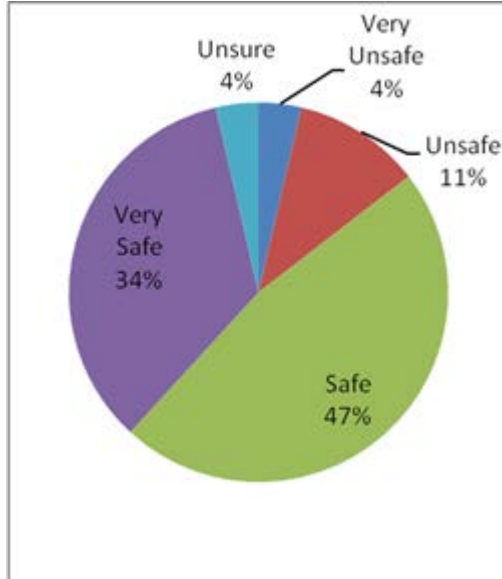
Question 3: How safe do you think it is for humans to live in areas where GE mosquitoes are released?

Very Unsafe, unsafe, safe, very safe or unsure.

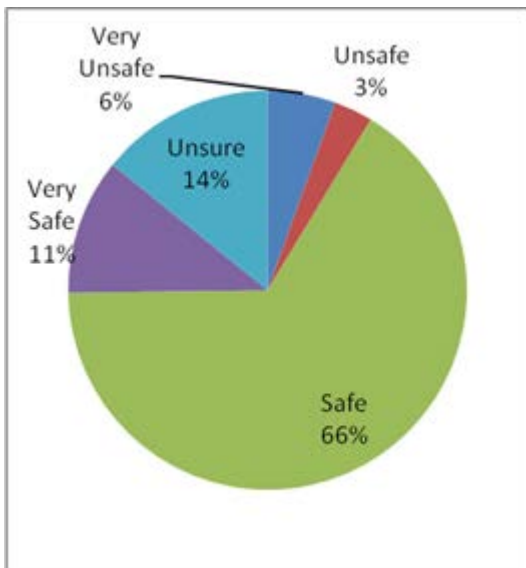
Potential Release area:



Buffer zone:



Non release area:



All areas combined:

