OUR PLAN

Since the first detection of *Aedes aegypti* in Placer County, our team has been hard at work conducting door-to-door property inspections to control the invasive populations and prevent an endemic population from becoming established. An endemic population is defined when we find multiple life stages of *Aedes aegypti* over more than one season.

Our response plan has a few main parts.

- **Outreach and materials** – our team developed educational materials about the species and conducted media outreach to be sure the public is aware of the detection and has information about the species. More information can be found at placermosquito.org.

- **Increased trapping** – we will be setting and collecting more traps to monitor the species.

- **Testing** – we will test the female *Aedes aegypti* we detect. We will send female mosquitoes off to be tested for disease presence. At this point in time, the first two mosquitoes we identified tested negative for disease presence.

- **Door-to-door property inspections** – our team will conduct door-to-door property inspections to look for and eliminate standing water.

- **Treatments as necessary** – our team will use Integrated Vector Management to decide whether or not treatment is necessary for the infested areas to protect public health. Treatments could include:
  - **Ground-based or aerial adulticide public health insecticides** – used to treat and eliminate adult mosquitoes.
  - **Ground-based larvicide public health insecticides** – used to treat *Aedes aegypti* larvae.

TIMELINE

We are used to a West Nile virus mosquito season from May to the end of September in most years. Invasive species are different. In many other areas in California, *Aedes aegypti* can be active through November. Here we are not sure what the length of their reproductive cycle or their peak season will be since the first detection in Placer County was in late August. Most importantly, the public can continue to protect themselves from mosquitoes and vector-borne diseases by dumping and draining standing water, defending themselves with CDC recommended repellent and in case of a problem or concern, they can contact our District for assistance.
3 WAYS WE TREAT AND CONTROL VECTORS

Biological Control
Biological control is the use of natural enemies to manage mosquito populations. Some examples include the direct introduction of parasites, pathogens and predators to target mosquitoes. The Placer Mosquito and Vector Control District uses mosquitofish, a predatory fish to feed on mosquito larvae.

Physical Control
The physical control aspect of our Integrated Vector Management program works to eliminate mosquito development sites. This method reduces larval mosquito sources as well as adult mosquito habitats. Since many mosquitoes develop in standing water, larval source reduction can be as simple as emptying water from containers.

Microbial and Chemical Mosquito Control
Microbial and chemical control is the use of public health insecticides to eliminate immature and adult mosquitoes. We use public health insecticides when biological and physical control methods are ineffective, not feasible or when emergency control measures are needed to disrupt disease transmission or threats to humans. We use California Environmental Protection Agency registered products listed as public health insecticides.

THE WALSTM TREATMENT FOR INVASIVE SPECIES
WALSTM is a way to deliver a mosquito-specific biorational larvicide VectoBac® WDG that uses cutting-edge technology and a special truck-based application system to deliver highly effective amounts of material to small hidden water sources where Aedes aegypti larvae develop. WALSTM is an important tool to help eradicate or manage invasive species that pose a public health threat. Once Aedes aegypti were detected, we partnered with the Sacramento-Yolo Mosquito and Vector control district to conduct weekly ground-based WALSTM treatments. The frequency and duration of WALSTM treatments is site specific and may vary. For information about treatments in your area please visit placermosquito.org.

ABOUT OUR TREATMENTS
The Placer Mosquito and Vector Control District uses an Integrated Vector Management approach to control vector populations in Placer County. All decisions are based on an assessment of risk to the publics health posed by vectors and vector-borne disease and interest and impacts of society and the environment.

Find the most up to date information about scheduled treatments on our website.
Sign up for email treatment updates at placermosquito.org