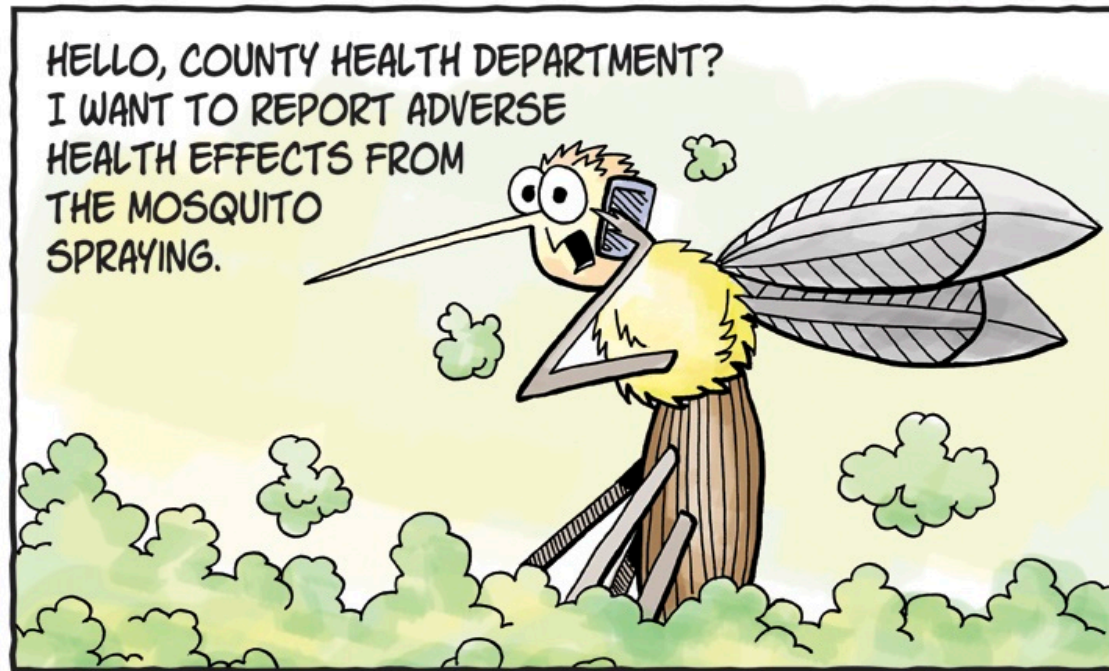


Water Systems & Mosquito Control

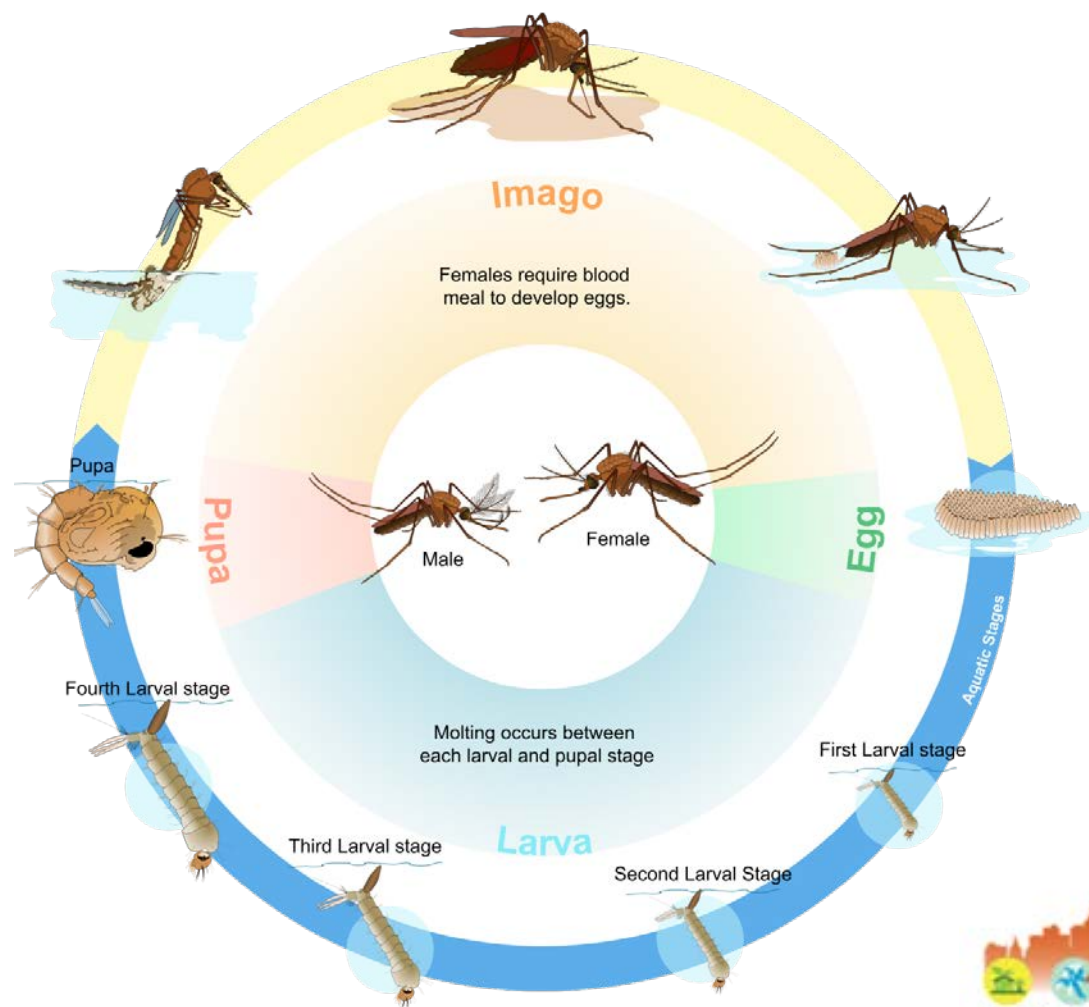


San Francisco Department of Public Health
Environmental Health Division
Healthy Housing and Vector Control
1390 Market Street, Suite 210
San Francisco, CA 94102
(415) 252-3805



Mosquitoes are of public health significance because they are vectors, organisms that transmit pathogens that cause human diseases

Life Cycle of the Mosquito



What's Down There?



- Anaerobic bubbling/rippling
- Moth fly larvae or adults
- Pill Shrimp (Ostracods)
- Rat tail larvae



What mosquitoes?

- Catch basins are notorious for *Culex* mosquitoes.
 - West Nile Virus (WNV)
 - Western Equine Encephalitis (WEE)
 - St Louis Encephalitis (SLE)
- *Aedes aegypti* & *A. albopictus* too
 - Dengue
 - Yellow fever
 - Chikungunya
 - Zika

Common Sources

- Storm drains
- Catch basins
- Sewer mains
- Sump pumps
- Troughs
- Other water collection systems

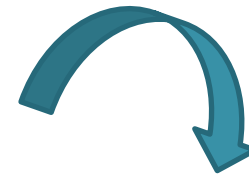
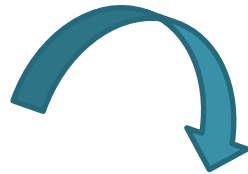
Where do these little suckers go?



Sewer mains



Inhibitors to Mosquito Control



Inhibitors to Mosquito Control



Possible Solutions

- Wheat cloth, construction cloth, screens, mesh over private catch basins
- Floor plans and regular checking
- The soapy water alternative
- Fogging + oil for “dry” catch basins
- Dip cup sampling – Effective treatments

Questions?

