



Stagnant Water in Stormwater Infrastructure Can Provide Breeding Habitat for Mosquitoes



Mosquito - <<http://www.theyeshivaworld.com/news/General+News/67243/Mosquito-Population-Booming-In-NYC%3B-West-Nile-Case-Confirmed.html>>

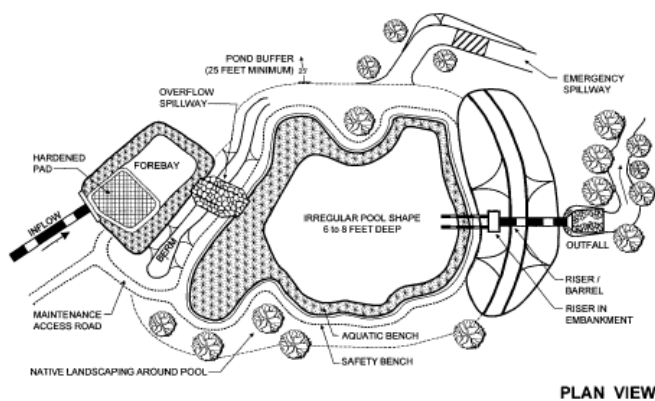
Raccoons Living in a Catch Basin



<http://www.strangecosmos.com/content/item/118682.html>

Example of a Design for a Stormwater Wet Pond from the 2010 NYS Stormwater Management Design Manual

Figure 6.2 Wet Pond (P-2)



http://www.dec.ny.gov/docs/water_pdf/swdmchapter6.pdf

General Information

Mosquitoes are an example of a vector that enables the transmission and spread of diseases such as malaria, numerous forms of encephalitis and many others. Stormwater infrastructure offers several preferred habitat requirements of disease vectors such as standing water for mosquito breeding. Stormwater structures also provide habitat for rodents such as rats and other small animals like raccoons who can also be vectors of parasites and disease. Their presence also adds additional sources of pollution such as bacteria and nutrient.

Best Management Practices

- Municipal good housekeeping practices: Clean debris from catch basins
- Design and maintain stormwater practices, such as ponds and wetlands, properly so that natural ecosystems remove mosquitoes.
- Consider breeding and habitat requirements when designing stormwater infrastructure along with the proximity to human populations.

Additional Information

EPA

<http://www.epa.gov/bioiweb1/pdf/EPA-903-R-06-004ProceedingsoftheWorkshoponStormwaterManagementandMosquitoControl.pdf>

NYSDEC

Number 29 - http://www.dec.ny.gov/docs/water_pdf/techfaq.pdf

Section 6 of the 2010 NYS Stormwater Management Design Manual - <http://www.dec.ny.gov/chemical/29072.html>

Other

http://www.dcr.virginia.gov/stormwater_management/documents/tecb1tn8.pdf

<http://www.ocvcd.org/environmental.php>