

Topic:	Infectious Disease Control; Healthy Communities
Resource Type:	Comprehensive Plan
State:	Florida
Jurisdiction Type:	Municipal
Municipality:	Brevard County
Year <i>(adopted, written, etc.):</i>	2009
Community Type – applicable to:	Urban; Suburban
Title:	Brevard County Avoiding Cumulation of Standing Water and Mosquitos
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Abstract

To avoid accumulation of standing water, Brevard County is planning for public facilities to be located outside of floodplains or wetlands. One of the goals of this policy is to avoid water damage of those facilities due to flooding, but the policy was also implemented to control the mosquito population in public facilities. Avoiding the accumulation of both standing water and mosquitos in public facilities will help to reduce the spread of infectious diseases within the County.

Resource

Brevard County Comprehensive Plan: Surface Water Management Element

GOALS, OBJECTIVES AND POLICIES

GOAL

A SAFE, EFFICIENT, ENVIRONMENTALLY SOUND AND COMPREHENSIVE SURFACE WATER MANAGEMENT SYSTEM IN BREVARD COUNTY.

Policy 4. 7

Public facilities should not be located within the 100-year floodplain or wetland areas unless the following apply:

Criteria:

- A. The facilities are water-dependent, such as boat ramps, docks, mosquito control facilities excluding their chemical storage areas, or other uses described as water-dependent in the glossary of this Comprehensive Plan; or,
- B. The facilities are water-related, or surface water management facilities or other uses described as water-related in the glossary of this Comprehensive Plan; or,

[Type text]

- C. The facilities are not adversely affected by periodic flooding or standing water, such as highway bridges and some recreational facilities; or,
- D. The building structures are flood proofed and located above the 100-year flood elevation or removed from the floodplain by appropriately constructed dikes or levees; or,
- E. The facilities are found to be in the public interest and there is no feasible alternative.

Policy 4.8 Public facilities should not be located within the 100-year floodplain or wetland areas unless the following apply:

Criteria:

- A. The facilities are water-dependent, such as mosquito control facilities excluding their chemical storage areas; or,
- B. The facilities are water-related, such as boat ramps, docks or surface water management facilities; or,
- C. The facilities are not adversely affected by periodic flooding or standing water, such as highway bridges and some recreational facilities; or,
- D. The building structures are flood proofed and located above the 100-year flood elevation or removed from the floodplain by appropriately constructed dikes or levees; or,
- E. The facilities are found to be in the public interest and there is no feasible alternative.

Policy 4.9 By 2002, Brevard County shall develop a mosquito impoundment management plan which should address the following criteria, at a minimum:

Criteria:

- A. Acquisition of impoundments for maintenance and operation.
- B. Appropriate water management system shall be utilized.
- C. Impoundments shall be restored or reconnected with the Indian River Lagoon when a public benefit can be demonstrated.
- D. Proposed alteration of an impoundment should be reviewed by Mosquito Control. Brevard County should compensate property owners for mosquito impoundments when this use precludes all use by the owner or when no alteration would be acceptable to Mosquito Control.
- E. Nonpermitted alteration of an impoundment shall be enforced by Brevard County.
- F. All mosquito impoundments should be evaluated and those found to be breached or non-functional should be returned to their natural condition by the appropriate Mosquito Control District. This would include, but not be limited to, removal of existing dikes and re-establishment of historical tidal channels.
- G. Those fully functioning impoundments determined to be needed by the Mosquito Control District, should be placed under a rotational impoundment management plan as approved by the Florida Coordinating Council on Mosquito Control.
- H. Any other "source reduction" mosquito control activities that also reduce the natural habitat required by freshwater or marine organisms should be prohibited.
- I. Mosquito control impoundments shall be managed in a manner that avoids adverse impacts to the water quality of receiving water bodies.

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- J. The primary use of mosquito control impoundments shall be to protect human health through the control of mosquito populations. Secondary uses may include stormwater management, habitat improvement, wildlife management, and other uses as appropriate. Brevard County shall encourage multiple uses of mosquito control impoundments.
- K. Brevard County should develop a program to acquire right-of-way or easements for drainage systems and mosquito control systems which the County maintains, if not already acquired.

Brevard's full Comprehensive Plan can be found here:
<http://www.brevardfl.gov/PlanningDev/CompPlan>.