

**APPENDIX 9.**  
**Arthropod Management Plan**

**ARTHROPOD MANAGEMENT PLAN – PUBLIC LANDS**  
DESIGNATED BY THE STATE OF FLORIDA OR ANY POLITICAL SUBDIVISION THEREOF AS  
BEING ENVIRONMENTALLY SENSITIVE and BIOLOGICALLY HIGHLY PRODUCTIVE THEREIN  
PURSUANT TO SECTION 388.4111, FLORIDA STATUTES

**Name of Designated Land:** Weedon Island Preserve

**Location:** Pinellas County (located along the northwest shore of Old Tampa Bay)

**Land Management Agency:** Pinellas County Parks & Conservation Resources

**Are Arthropod Surveillance Activities Necessary?** Yes  No

**If "Yes", please explain:**

Mosquito breeding occurs in the park in the tidally influenced areas as well as by rains in the preserve. Surveillance is required to determine the species and population of juvenile and adult mosquitoes as well as determining the proper treatment, both pesticide selection and timing.

**Which Surveillance Techniques Are Proposed?**

**Please Check All That Apply:**

Landing Rate Counts  Light Traps  Sentinel Chickens   
Citizen Complaints  Larval Dips  Other  [below]

**If "Other", please explain:**

**Primary Targeted Arthropod Species:**

*Aedes taeniorhynchus* and *Culex nigripalpus*

**Secondary Targeted Arthropod Species:**

*Psorophora columbiae*, *Aedes infirmatus*, and *Culex erraticus*

**Larval Control:**

**Number of Dips per site:** 5

**Percentage of Dips positive which might trigger action:** Treat whenever larvae found

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Are post treatment counts being obtained: Yes  No

**Biological Control of Larvae:**

Might Predacious Fish be stocked: Yes  No

Other Biological Controls that might be used:

**Records:**

Are Records being kept: Yes  No

Records Location: 4100 118<sup>th</sup> Ave N, Clearwater FL

How Long: At least 3 years, as required by law. Electronic records are part of permanent database.

**Method of Application:**

(Please Check All That Apply !)

Ground  Aerial

Please specify: Ground treatments by backpack spreader/sprayer, FMI pump, B & G hand sprayer. Aerial larvicide treatments by Bell 47 helicopter with Isolair spreader.

**Material to be used for Larviciding Applications:**

(Please Check All That Apply !)

Btl

Bs

Methoprene

Non-Petroleum Surface Film

Other

If "Other", please specify:

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**Adult Control:**

**Normal Control**

Permethrin & sumethrin, in public use areas by ground application

**Public Health Emergency Control**

Dibrom from a fixed wing aircraft would be contracted if arbovirus- carrying mosquitoes found in area

**Notification:**

Via email to County Lands Manager for aerial larviciding and adulticiding

**Vegetation Modifications:**

**Will it be necessary to trim or alter vegetation to conduct Surveillance or Treatment?**

Brazilian pepper trimming for access for inspection and treatment is allowed.  
Mangrove trimming within the preserve must be pre-approved by the Lands manager

**Aquatic Vegetation:**

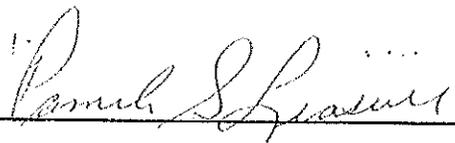
None

**Land Management Comments:**

An annual report of arthropod control activity at Weedon Island Preserve should be submitted to the Pinellas County Environmental Lands Manager by December 31.

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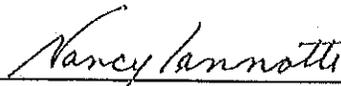
**Arthropod Control Agency Comments:**

  
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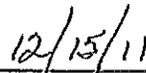
**Signature of Lands Manager or Representative**

  
\_\_\_\_\_

**Date**

  
\_\_\_\_\_

**Signature of Mosquito Control Director / Manager**

  
\_\_\_\_\_

**Date**