

**Lee County Board Of County Commissioners  
Agenda Item Summary**

**Blue Sheet No. 20060680**

**1. ACTION REQUESTED/PURPOSE:**

Approve <sup>tran</sup> transfer from General Fund Reserves for the Environmental Laboratory Operating Budget in the amount of \$172,000 for funding a Coordinated Pesticide Monitoring program in Lee County to be coordinated with the current pesticide monitoring programs of the FDEP and SFWMD.

**2. WHAT ACTION ACCOMPLISHES:** Provides funding for sampling and analyses in several watersheds in Lee County.

**3. MANAGEMENT RECOMMENDATION:** Staff recommends approval.

**4. Departmental Category:** 08

**C8A**

**5. Meeting Date:** **06-06-2006**

**6. Agenda:**

- Consent
- Administrative
- Appeals
- Public
- Walk-On

**7. Requirement/Purpose: (specify)**

- Statute
- Ordinance
- Admin. Code
- Other Budget
- Trfr fm Res.

**8. Request Initiated:**

Commissioner \_\_\_\_\_  
 Department Public Works  
 Division Natural Resources  
 By: **Roland E. Ottolini, P.E.**

**9. Background:**

As discussed in the October 2005 M&P and the June 20, 2005 Budget Workshop:  
 Many types of pesticides are used in Lee County and our upstream watersheds. Some examples of pesticides are:  
 (1) herbicides are used to control the growth and spread of weeds and other undesirable plants;  
 (2) insecticides control populations of insects that are damaging to agriculture, urban landscapes, or humans; and  
 (3) fungicides control destructive molds and fungi.

Many of these pesticides enter our aquatic system, either through direct application on surface waters, or through urban and agricultural runoff. At high levels, these compounds can pose health problems for humans, animals and submerged aquatic vegetation.

Currently there is no ongoing monitoring program in Lee County except for the South Florida Water Management District's quarterly "Pesticide Monitoring Program". The District program has one site in Lee County at S79 (Franklin Locks). FDEP has proposed a monitoring program, which would be upstream of S79, and would concentrate on the tributaries to the Caloosahatchee, some of which might be in Lee County. The proposed program is designed to document the levels of residual pesticides and herbicides in Lee County's waterways and sampling in Lee County will not duplicate the efforts of either the FDEP or SFWMD. As the proposed program is designed to compliment the existing SFWMD and FDEP programs, it is proposed to use the same testing facility (FDEP lab) to reduce variability and promote comparability of results.

- continued -

**10. Review for Scheduling:**

Department Director	Purchasing or Contracts	Human Resources	Other	County Attorney	Budget Services				County Manager/P.W. Director
					Analyst	Risk	Grants	Mgr.	
<i>Janner</i> 5.17.06	N/A	N/A	N/A	<i>[Signature]</i> 5/17/06	<i>[Signature]</i> 5/22/06	<i>[Signature]</i> 5/22/06	<i>[Signature]</i> 5/22/06	<i>[Signature]</i> 5/23/06	<i>[Signature]</i> 5.17.06

**11. Commission Action:**

- Approved
- Deferred
- Denied
- Other

RECEIVED BY COUNTY ADMIN:	<i>[Signature]</i>
5/19/06	
1:20	
COUNTY ADMIN FORWARDED TO:	<i>[Signature]</i>
5/19/06	
11:21 AM	

Rec. by CoAtty
Date: 5/18/06
Time: 3:15pm
Forwarded To: 11:45 AM
5/19/06

**9. Background: (continued)**

Scope:

Quarterly, collect and test water column samples for 62 commonly used pesticides and degradation products from sites near the mouths of the monitored watersheds in unincorporated Lee County. Twice annually collect and test sediments samples at the same sites.

After the first year, evaluate the data to verify whether or not any site should be modified (added or removed) and whether sample frequency can be decreased (quarterly, seasonal or annual). Effort saved in the reduction of frequency or sites may be used to investigate further upstream where herbicides have been found.

Funding:

**Funds will be available in OC5370800100.503190**

Funding is required for tests. These analyses are to be performed at the same Laboratory used by the other monitoring programs in this coordinated effort (the FDEP Central Laboratory in Tallahassee ).

Cost:

Quarterly Sampling:

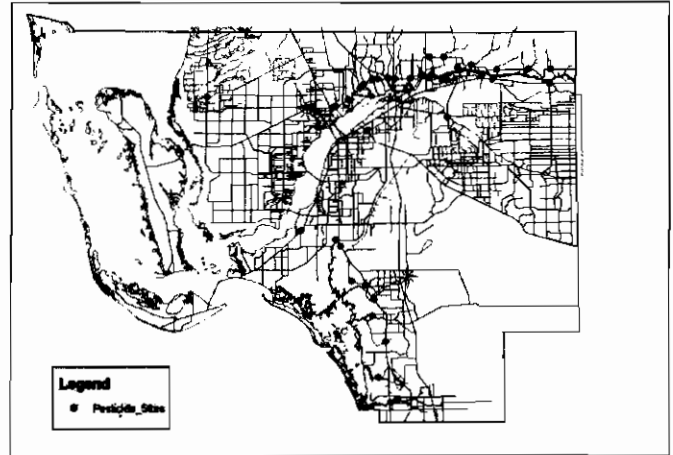
Water column 40 samples x 4 quarters x \$650/sample = \$104,000

Sediments 40 samples x 2 year x \$850/sample = \$ 68,000

Total \$172,000

Sites below indicate the current SFWMD pesticide sampling program.

Sites Below indicate proposed sampling sites for Lee County pesticide program



Proposed Pesticide Sample Sites

May 2006

