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**PELICAN BAY SERVICES DIVISION  
Municipal Service Taxing and Benefit Unit**

**NOTICE OF PUBLIC MEETING**

**WEDNESDAY, APRIL 17, 2013**

**THE LANDSCAPE WATER MANAGEMENT SUBCOMMITTEE OF THE PELICAN BAY SERVICES DIVISION BOARD MEETS WEDNESDAY, APRIL 17 AT 1:00 PM AT THE COMMUNITY CENTER AT PELICAN BAY, 8960 HAMMOCK OAK DRIVE, NAPLES, FLORIDA 34108.**

**AGENDA**

The agenda includes, but is not limited:

1. Roll call
2. Update on community awareness program (*Dave Trecker*)
3. Update on Basin 3 pilot project (*Kyle Lukasz*)
4. Sampling/testing program for lakes
5. Issue with recycled water
6. Estimate for dredging and disposal
7. Audience Comments
8. Adjournment

ANY PERSON WISHING TO SPEAK ON AN AGENDA ITEM WILL RECEIVE UP TO THREE (3) MINUTES PER ITEM TO ADDRESS THE BOARD. THE BOARD WILL SOLICIT PUBLIC COMMENTS ON SUBJECTS NOT ON THIS AGENDA AND ANY PERSON WISHING TO SPEAK WILL RECEIVE UP TO THREE (3) MINUTES. THE BOARD ENCOURAGES YOU TO SUBMIT YOUR COMMENTS IN WRITING IN ADVANCE OF THE MEETING. ANY PERSON WHO DECIDES TO APPEAL A DECISION OF THIS BOARD WILL NEED A RECORD OF THE PROCEEDING PERTAINING THERETO, AND THEREFORE MAY NEED TO ENSURE THAT A VERBATIM RECORD IS MADE, WHICH INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. IF YOU ARE A PERSON WITH A DISABILITY WHO NEEDS AN ACCOMMODATION IN ORDER TO PARTICIPATE IN THIS MEETING YOU ARE ENTITLED TO THE PROVISION OF CERTAIN ASSISTANCE. PLEASE CONTACT THE PELICAN BAY SERVICES DIVISION AT (239) 597-1749 OR VISIT [PELICANBAYSERVICESDIVISION.NET](http://PELICANBAYSERVICESDIVISION.NET).

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## COMMUNITY AWARENESS PROGRAM

- Presentations made to Presidents' Council (4/10) and PBPOA board (4/11)
- Article published in Pelican Bay Post
- Presentation to Pelican Bay Foundation board scheduled 4/26 (Director Dave Cook assigned to work with PBSB)
- Presentations to be scheduled ...
  - Men's Coffee
  - Women's League
  - Mangrove Action Group
  - Diane Lustig assemblage of associations (October or November)
  - Individual associations that request presentations
- Article to be written for PBPOA website and email blast

4/17/13 2.

March 6, 2013 Pelican Bay Services Division Board Regular Session  
7c. Landscape Water Management Subcommittee - Approve community outreach drafts: proposed program, brochure, and presentation\*  
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## **PBSD PROGRAM TO DEAL WITH WATER POLLUTION**

### Near Term (Calendar 2013)

- (1) Make community aware of problem and immediate steps that can be taken for fertilizer BMP (articles and presentations)
- (2) Explore ways to reduce or eliminate copper fungicide use (Basin 3 pilot)
- (3) Continue to monitor nutrient and copper levels, including recycled water and sediment testing. Which lakes have the highest levels? Which associations are the major offenders?
- (4) Explore options with the Foundation for enforcement of fertilizer BMP.

### Mid Term (2014-15)

- (1) Expand pilot program, if successful, to all basins.
- (2) With Foundation, implement fertilizer BMP enforcement.

### Long Term

If necessary, remove copper from lakes.

The best regulatory scenario would be that, with controlled fertilizer use and with little or no additional copper fungicide pumped into the lakes, the existing copper in Clam Bay would be flushed out to sea and Clam Bay would meet the copper standard in 4-5 years.

If not, copper removal from the lakes may be necessary. Even with Clam Bay compliance, copper removal from the lakes may be justified to reduce long-term risk.

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### **PILOT PROJECT – FIVE LAKES IN BASIN 3**

- Separate the variables

Example:

Pond 1 – Aeration

Pond 2 – Littoral plantings

Pond 3 – Aeration + littoral plantings

Pond 4 – Bacteria + aeration

Pond 5 – Bacteria + aeration + littoral plantings

This assumes bacterial treatment cannot stand alone because it needs aeration to prevent the bacteria from going anaerobic (less active against nutrients).

- Need baseline N, P, Cu(II) numbers and ponds free of surface algae before pilot projects begin

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## LAKE AND BAY SAMPLING AND TESTING

- Need sampling/testing in
  - Upper Clam Bay
  - Inner Clam Bay
  - Outer Clam Bayincluding sites where previous samples were taken.
- Need continued (shoreline) sampling/testing for N, P, Cu(II) in the 42 ponds where previous samples were taken. Utilize current data base.  
  
Also need center-of-lake sampling/testing in 4-5 selective lakes for comparison with shoreline testing.
- Need sediment testing in center and at previous shoreline sites of 4-5 selective lakes.
  - Depth of water and sediment in centers of 4-5 selective lakes
  - Cu(II) from water and sediments in centers and at previous shoreline sites in the same 4-5 selective lakes

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**RECYCLED WATER FOR IRRIGATION**

	Recycled Water		Clam Bay	
	<u>Range*</u>	<u>Average*</u>	<u>Actual**</u>	<u>Limit</u>
Nitrogen (mg/L)	0.06-8.14	3.22	0.07	0.81***
Phosphorus (mg/L)	0.60-3.21	1.77	0.07	0.06***
Copper ( /L)	6-120	44	6	3.7

\* Average of five samplings, 2/12-3/13

\*\* Average in 1-2Q/12

\*\*\* Midpoint of allowed range

Need to discuss recycled-water numbers with the county.