

It's Not Over Until the ... ! Activities in Year 4 (aka 3B)




Andrew Reich
Program Coordinator
Aquatic Toxins Program
Bureau of Community Environmental Health

May 1, 2006

Approval Letter from CDC



 DEPARTMENT OF HEALTH & HUMAN SERVICES Public Health Service

Centers for Disease Control
and Prevention

MAY 01 2006

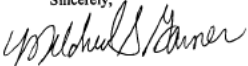
Carina Blackmore, DVM, Ph.D
Bureau of Community Environmental Health
Florida Department of Health
4052 Bald Cypress Way, Bin A-08
Tallahassee, FL 32399-1712

Reference: Notice of Award Number U50/CCU423360-03
Expanding Surveillance Systems to Include Pfiesteria, other Harmful Algal
Blooms, & Marine Toxins

Dear Dr. Blackmore:

Enclosed is Amendment 1 to the above referenced award. This amendment is issued in response to your letter dated March 21, 2006. We have completed our review, and your request to carryover funds forward Year 01 unobligated funds in the amount of \$235,461.00 into Year 03 to support contractual costs, is hereby approved.

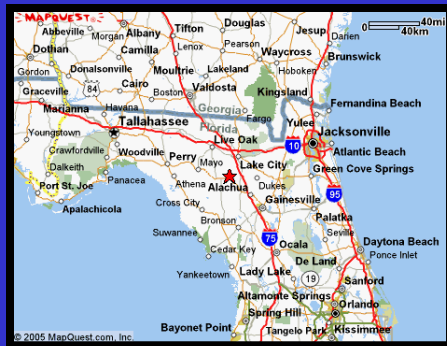
We trust your program is progressing as planned. If you have any questions regarding this matter, please do not hesitate to contact Terrian Dixon, Grants Management Specialist, at telephone number (770) 488-2774 or e-mail address TDixon@cdc.gov.

Sincerely,

Mildred S. Garner
Grants Management Officer
Acquisition and Assistance, Branch B
Procurement and Grants Office

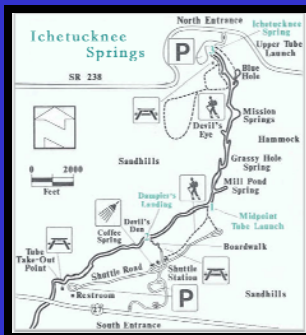
Enclosures

cc: Business Office
Adrienne Holmes NCEH/MS F-46

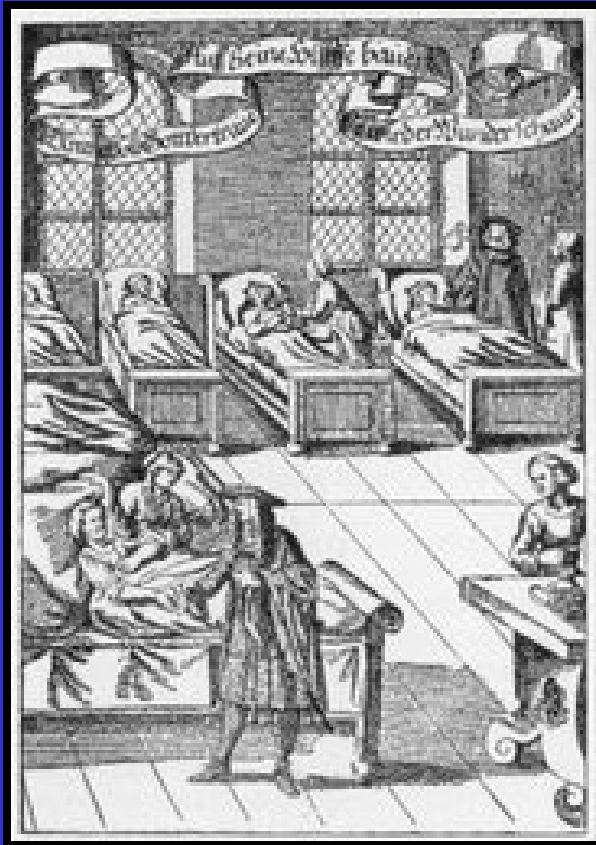
Investigation of Human Health Risks Associated with Exposure to Toxic Cyanobacteria in Florida Springs



- Multiple Reports of Skin Rashes
- Park staff very concerned about issue
- High Volume of Visitors:
 - over 200,000 per year
 - 4000/day
 - 750 per day at Upper End
- Discrete Entry and Exit Points



Brevetoxins Accumulation in Fish: Toxin and Toxicity Assessment for Potential Human Health Threat



- Determine if admissions to the Emergency Department for gastrointestinal diagnosis codes increase during a period when a known red tide bloom is onshore.
- Establish collaboration with local physicians for early notification of possible NSP related illness for possible fish recovery and analysis.

Inland Air Transport and Effects of Aerosolized Florida Red Tide Toxins:

Increased Capacity to Assess Health Impact in Real Time

- Use of lifeguards and parks and recreation personnel;
- Data input from County personnel, using Internet and phone communication;
- Handheld PDA's providing easy and rapid data input;
- Webpage to allow user to upload information and display condition reports;
- Summary views for public to provide condition reports;
- Data voice recorder via the telephone for those without web access.



Welcome to the Sarasota County Beach Conditions Report site.

This service is in collaboration with [Mote Marine Laboratory, Sarasota County](#), and the [Florida Department of Health](#) to provide beach condition reports from the 6 public beaches of Sarasota County.

To view the latest beach report at a select site, simply click on the balloon at that site.

The reports are subjective (no measurements taken, just an estimate) and designed to indicate to the beachgoer which beach may be more preferable to visit at a particular time.

Beach condition reports will be posted at 10 am and 3 pm.

If a posting is late, please understand that the beach reporters may be involved in more pressing matters.

To view the latest beach report at a select site, simply click on the balloon at that site.

Beach flags provide information on swimming conditions:

green flag - good swimming conditions

yellow flag - use caution

red flag - dangerous swimming conditions

double red flag - beach is closed to swimming

purple flag - hazardous marine life

Our Gulf Environment

Sarasota's Commitment to Community Excellence in Environmental Health

Sarasota County
sarasota.net | 941.961.5000 | TV19



Sarasota County Beach Conditions Report

Sarasota County Beach Reports - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://coolgate.mote.org/redtide/>

Google

red flag - dangerous swimming conditions
double red flag - beach is closed to swimming
purple flag - hazardous marine life

Siesta Key
Last Report: 09/26/2006 2:34pm

Dead Fish: None
Water Color: Moderate
Respiratory Irritation: Slight
Wind From: N
Surf: Calm
Beach Flag: Green

Links to Red Tide Cell Count/Bloom status reports:

www.mote.org
www.ourgulfenvironment.net
research.myfwc.com
coastwatch.noaa.gov

Inland Air Transport and Effects of Aerosolized Florida Red Tide Toxins:

Assessment of Respirable Particles from Aerosols related to Red Tide

- In-depth and detailed evaluation of aerosolized brevetoxins in near-shore communities
- Diurnal patterns of red tide aerosol based on hourly samples.
- Measurements of weather conditions such as wind speed and wind direction using a mini-weather station.
- With this information, correlate changes of weather conditions with red tide aerosol concentrations in a sampling period.



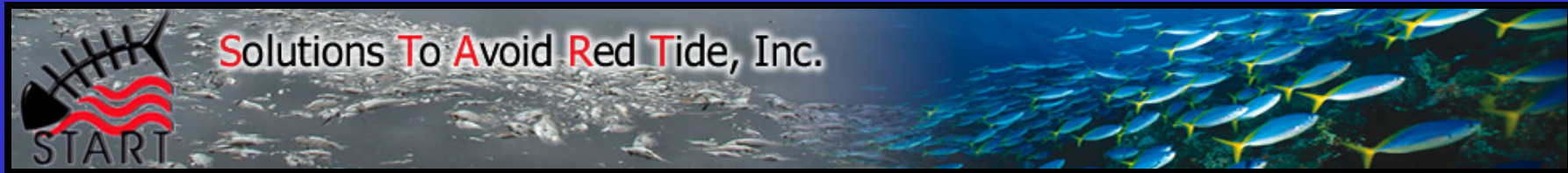
Technical Consultation and Laboratory Support for Assessment of Cyanotoxins in Tissue and Water:

Additional evaluation of nutrients in water samples co-collected for initiation and promulgation of cyanobacterial blooms in Surface Water

- Assess water quality for additional components related to nutrients
 - Total Phosphorus
 - TKN
 - Ammonia
 - Nitrate-nitrite
- 200 samples



Outreach - Traveling Exhibits



Museum unveils new exhibit about red tide

SCOTT RADWAY

Herald Staff Writer **BRADENTON** - John Connor gets a lot of anxious calls, like the one from a woman worried because her nephew has asthma and he was visiting during a red tide. Or the one from a builder whose client was concerned about erecting a home far inshore from an outbreak. Then there are the panicked tourists who turned away seafood platters. "I get calls from people who have never seen red tide, never heard of it and sometimes they overreact," said Connor, president of the Longboat Key-based Solutions To Avoid Red Tide or START.

Toll-Free, 24 Hour Marine and Freshwater Hotline:

Evaluation of Service Area Coverage and Effectiveness of Manual/Automated System.



Evaluate service, area coverage and effectiveness of the manual/automated system to provide accurate, timely, and understandable information to the diverse population who call the FPIC-Miami for information on Aquatic Toxins including Florida red tide and cyanobacteria.



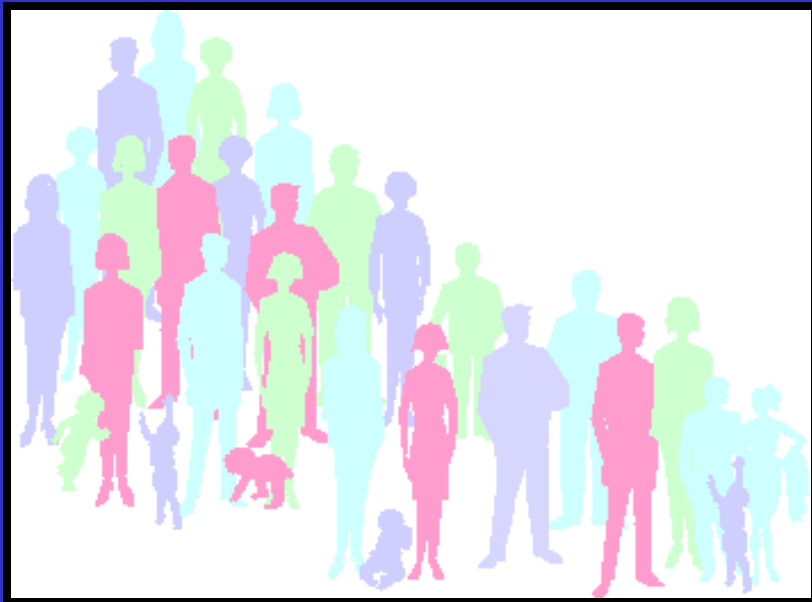
888-232-8635



Aquatic Toxins Program

www.myfloridaEH.com

Additional Focus on Epidemiology



- Reportable Diseases
- Poison Information
- Case Follow Up
- National HAB Surveillance