The Beach Conditions Observing System

- Patchiness of *Karenia* blooms
- Changing environmental conditions
- Concern for asthmatics on high toxin aerosol days
- What beach can I go to today?
The Beach Conditions Observing System

www.mote.org

Environmental Updates

Beach Conditions

NOAA HAB Bulletin

941-388-5223

941- BEACHES
Get the Beach Conditions Report for Sarasota County via telephone at (941) 858-5223.

Now! Get the Lake County and Pinellas County Beach Condition Reports.

Welcome to the Sarasota, Manatee, Lee and Pinellas County Beach Conditions Report site.

This service is in collaboration with Mote Marine Laboratory, Sarasota County, Manatee County, Lee County, Pinellas County, and the Florida Department of Health to provide beach condition reports from the 6 public beaches of Sarasota County, the 2 public beaches of Manatee County, the 4 most popular beaches of Lee County and the 5 Gulf beaches of Pinellas County.

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

Beach flags provide information on swimming conditions:

- green flag - good swimming conditions
- yellow flag -览is minimal
- red flag - dangerous swimming conditions
- double red flag - beach is closed to swimming
- purple flag - hazardous marine life

Thank you for your support. Please take a moment and tell us what you think about this site.

Manatee Beach
Last Report: 11/22/2007 3:01pm

- Water Color: Clear
- Wind From: N
- Surf Calm
- Beach Flag: Green
- Dead Fish: None
- Respiratory Irritiation: None
Welcome to the Sarasota County Beach Conditions Report site.

This service is in collaboration with the Manasota 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 posting is late, please understand that the beach reporters may be involved in more pressing matters.

Beach flags provide information on swimming conditions:
- Green flag - good swimming conditions
- Yellow flag - user caution
- Red flag - dangerous swimming conditions
- Double red flag - beach is closed to swimming
- Purple flag - hazardous marine life

Thank you for your support. Please take a moment and tell us what you think about this site.
New! Get the Beach Conditions Report via telephone at (941) 388-5223.

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 button 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 10am and 3 pm.

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

**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

Thank you for your support. Please take a moment and tell us what you think about this site.
Current Coverage

• 15 beaches – St Pete to Ft Myers
• ~ Jan 2008 – 10 additional beaches (Naples)
Optical Phytoplankton Discriminator (BreveBuster™)
BreveBuster Deployment Modes

- Webb Glider
- USF BSOP
- Channel Marker
- USF COMPS Buoy
- Hydroid REMUS
- Portable Buoy
Current BreveBuster Inventory

Existing
- 1 Shipboard – Tampa to Naples
- 2 Buoys COMPS C10 and C15 – Sarasota (MERHAB)
- 1 BSOP vertical profiler - Tampa/Sarasota (MERHAB)
- 1 Cal Poly REMUS AUV – FL & CA (NSF)
- 1 Rutgers Glider AUV – FL & NJ (NSF)
- 1 Glider – Tampa to Naples (FWCC/FWRI)
- 2 Venice and Naples Piers (NOAA/IOOS)
- 1 Maintenance spare (MERHAB)
- 2 Gliders (NOAA/IOOS)
- 2 Portable buoy (FWCC/FWRI)
- 3 Veracruz, Mexico (EPA/NOAA)

In Fabrication
- 5 Florida HAB COOS (FWCC/FWRI)

Total 22
Conclusions

• Daily operations require continuous attention to details such as quality of data, personnel, weather conditions and forecasts, and maintenance needs.

• To achieve long-term operation there must be a continuous engineering focus on improvements.

• For safe operation there must be continuous emphasis on safety consciousness and provision of safety equipment and supplies.

• For all of this effort to be worthwhile it is critical to continuously evaluate the utility of the products.