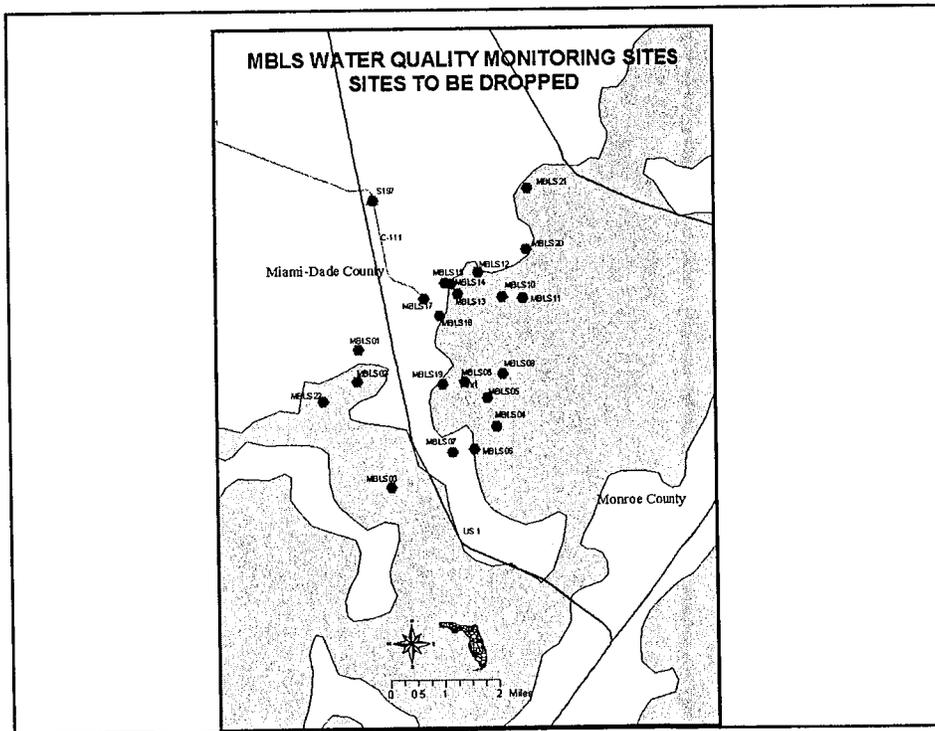
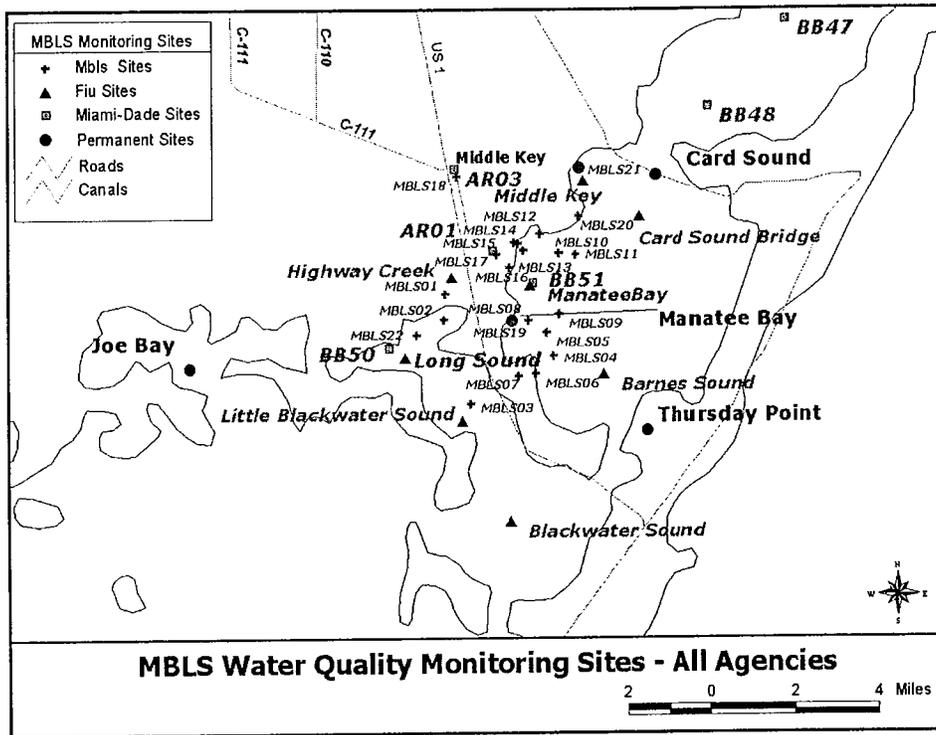


Manatee Bay & Long Sound Monitoring Update

Chad Kennedy
Water Quality Monitoring Division
Environmental Monitoring & Assessment Department
Thursday, August 1, 2002

Background

- This is a notification that the Manatee Bay and Long Sound (MBLS) Storm Event Monitoring will cease.



Purpose of MBLs Monitoring

- Monitoring program was initiated July 1991 in association with C-111 monitoring and DEP operation permit for S197, which expired in 1996.
- Document potential water quality impacts of C111 discharge.

S197

- This structure is permitted under Non-Everglades Construction Project which does not require downstream monitoring.

Old MBLS Storm Event Monitoring

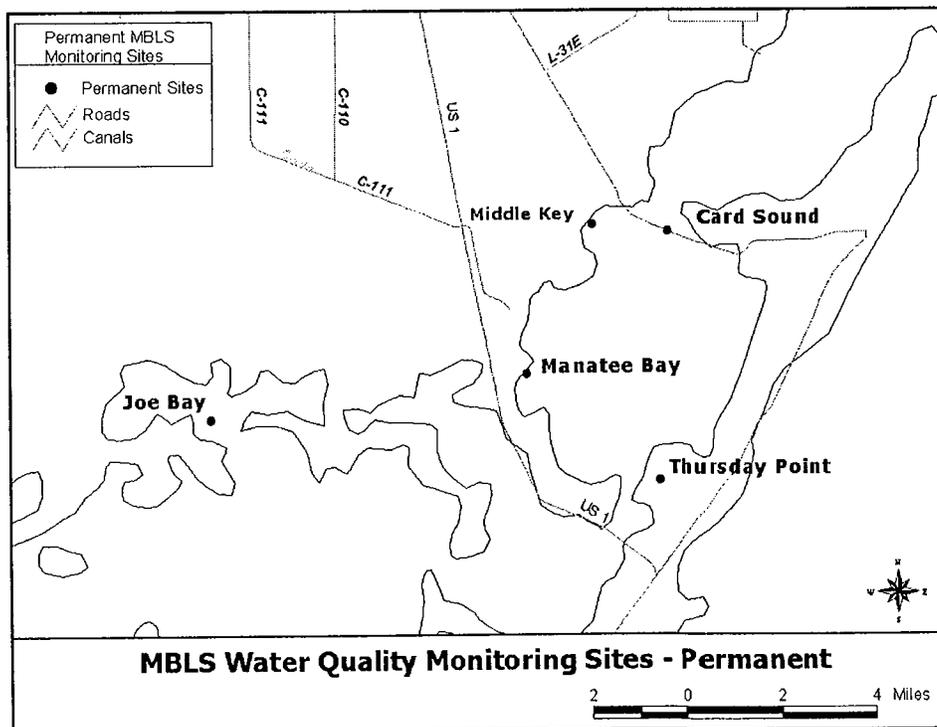
- Physical profiles at all 22 sites
- Water quality samples at 8 of the 22 sites

Old MBLS Storm Event Monitoring Method

- When District opened S197 (3 gates of 13)
 - Samples were collected ASAP
 - Monitored again one week after close.
 - Monitored again three weeks after close.

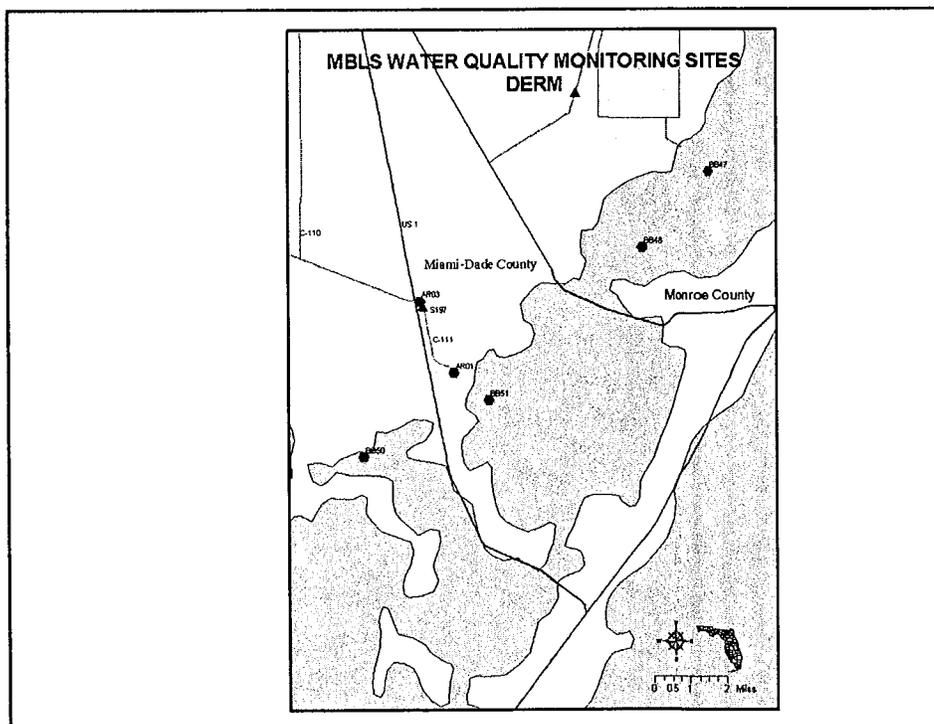
District - ENP Permanent MBLS Monitoring

- 5 Permanent Monitoring Stations
(physical parameters only)
- Partnership between the District and ENP



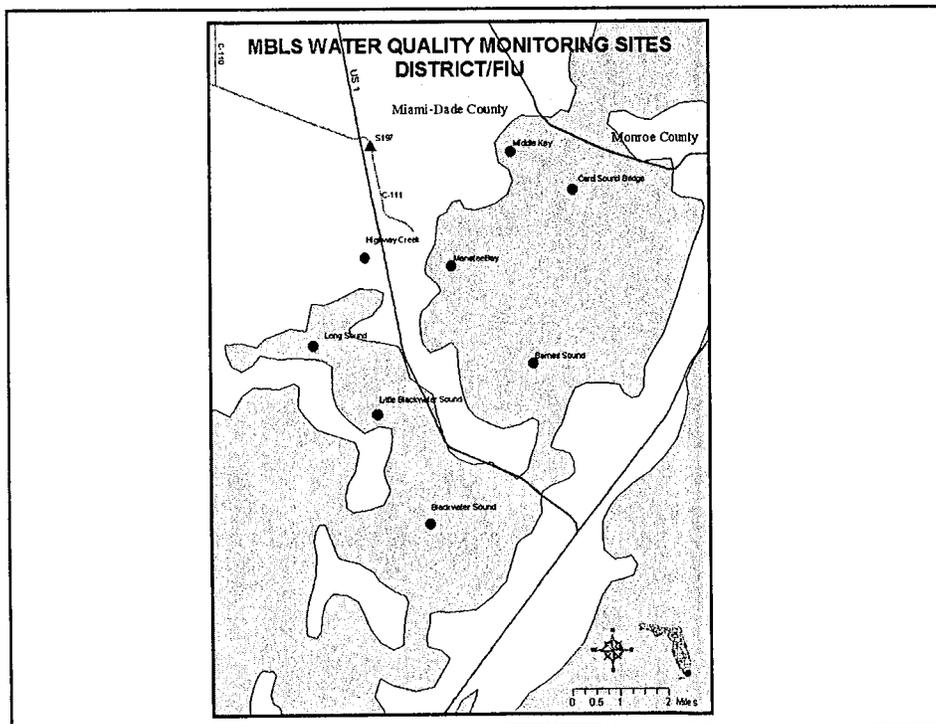
Miami Dade DERM Monitoring

- DERM has a routine surface water quality monitoring network of 6 sites in Manatee Bay Long Sound
- The network is funded and collected by DERM
- These sites have been monitored for 15yrs +
- Monthly, water quality with physical parameters
- Quarterly, metals



District - FIU Eastern Florida Bay

- FIU routinely monitors 8 sites quarterly



Summary of All Monitoring in MBLs

Sponsor	# Sites	Frequency	Type
District - ENP	5	Continuous	Phys.
District - FIU	8	Quarterly	WQ & Phys.
DERM	6	Monthly	WQ & Phys
	<hr/> 19		

Summary

- The MBLs Storm Event monitoring has been discontinued
- Routine monitoring of 19 sites in Manatee Bay and Long Sound will continue.
- Optimization Benefits
 - Better Distribution of sites
 - Improved use of resources & staff time
 - Increased consistency, comparable data

