URBAN FERTILIZER ORDINANCES Punta Gorda City Council February 16, 2011

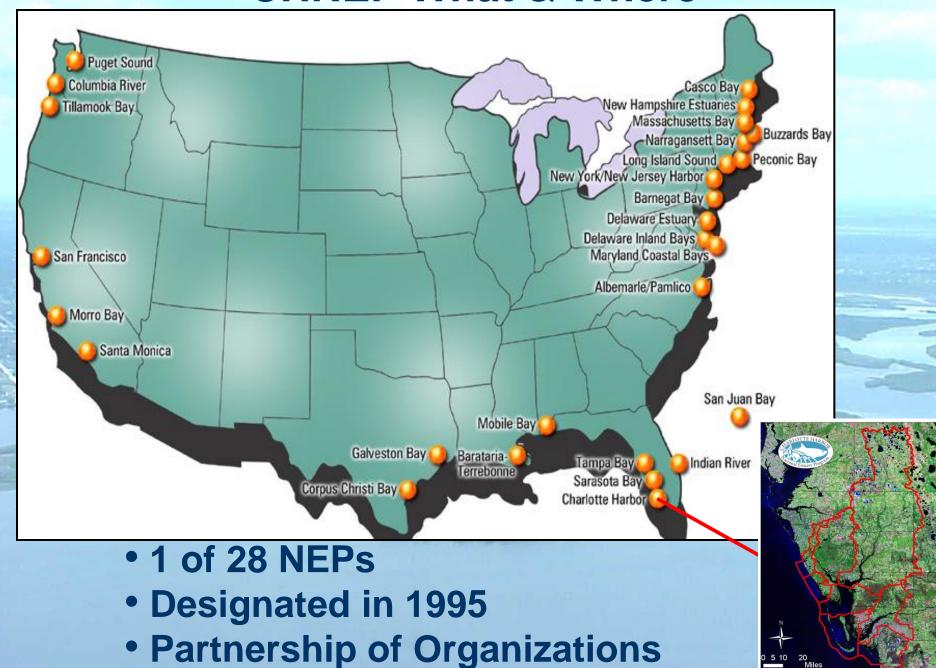


Judy Ott, MS, Program Scientist & Lisa B. Beever, PhD, AICP, Director

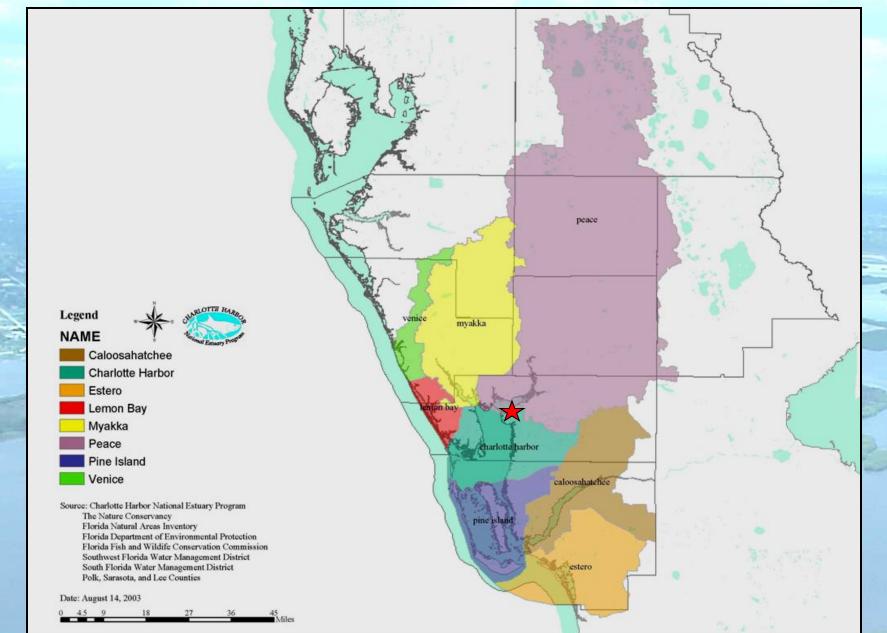
Presentation Topics:

- CHNEP What, Where & Why
- Punta Gorda & Water What & Where
- Fertilizer Ordinance What, Where & Why
- Fertilizer Ordinance Successes

CHNEP What & Where



- CHNEP include 8 Sub Basins
- Punta Gorda is in Peace River & Charlotte Harbor



CHNEP Guided by Our CCMP

Committing to Our Future

A Comprehensive Conservation and Management Plan

for the Greater Charlotte Harbor Watershed

from Venice to Bonita Springs to Winter Haven



Update 2008



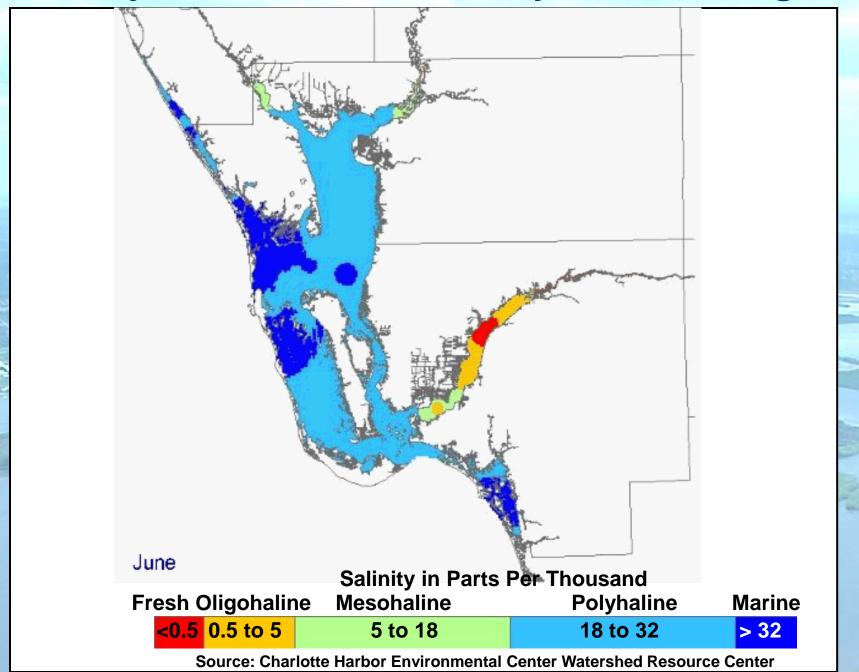
4 Priority Problems

- Hydrologic Alterations (Water Flows)
- Water Quality
 Degradation
- Fish and Wildlife Habitat Loss
- Stewardship Gaps

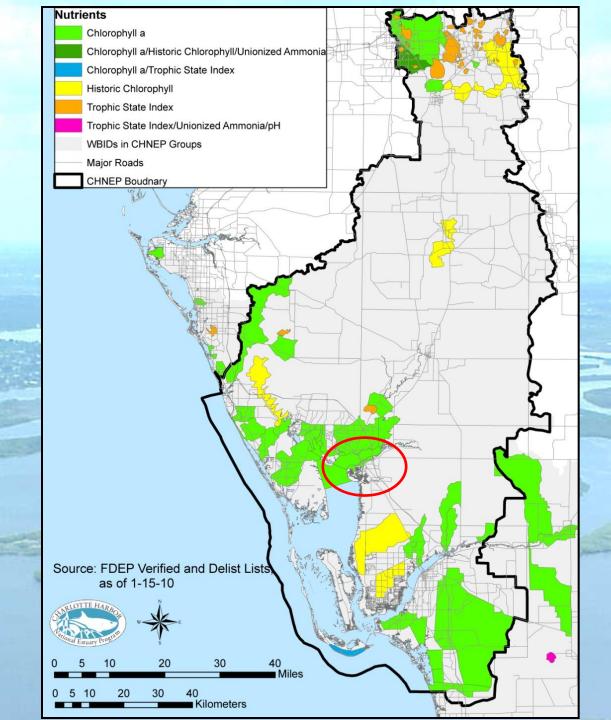
Punta Gorda & Water What & Where



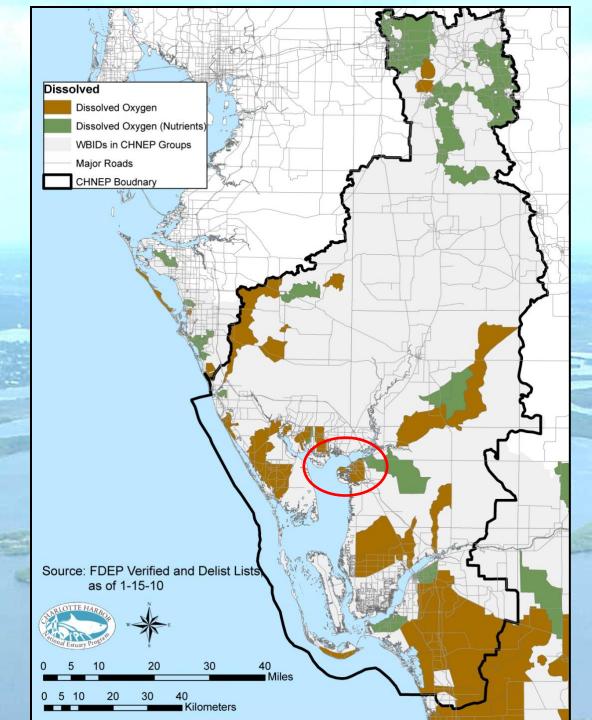
Dynamic Fresh & Estuary Water Mixing



Water Quality -Chlorophyll Impairments



Water Quality – Dissolved Oxygen Impairments



Fertilizer Ordinance What, Where & Why

SWFRPC Resolution #07-01

Southwest Florida Regional Planning Council Fertilizer Resolution

A RESOLUTION SUPPORTING THE REGULATED USE OF FERTILIZERS CONTAINING NITROGEN AND/OR PHOSPHORUS WITHIN SOUTHWEST FLORIDA; PROVIDING SPECIFIC RECOMMENDATIONS AND GUIDELINES TO BE CONSIDERED BY LOCAL GOVERNMENT JURISDICTIONS FOR REGULATION AND CONTROL OF FERTILIZER APPLICATION; PROVIDING RECOMMENDED DEFINITIONS; PROVIDING RECOMMENDATIONS RELATING TO TIMING OF FERTILIZER APPLICATION, CONTENT AND APPLICATION RATE, IMPERVIOUS SURFACES, BUFFER ZONES AND MECHANICAL APPLICATION; PROVIDING RECOMMENDED EXEMPTIONS; PROVIDING RECOMMENDATIONS FOR LICENSING OF COMMERCIAL AND INSTITUTIONAL APPLICATORS; PROVIDING RECOMMENDATIONS FOR PUBLIC EDUCATION PROGRAMS; PROVIDING RECOMMENDATIONS RELATING TO THE RETAIL SALE OF FERTILIZER; PROVIDING RECOMMENDATIONS FOR APPEALS, ADMINISTRATIVE RELIEF AND PENALTIES; PROVIDING FOR AN EFFECTIVE DATE.

Adopted by SWFRPC March 2007 Endorsed by CHNEP May 2007

Counties & Cities with Urban Fertilizer Ordinances in CHNEP Coastal Areas

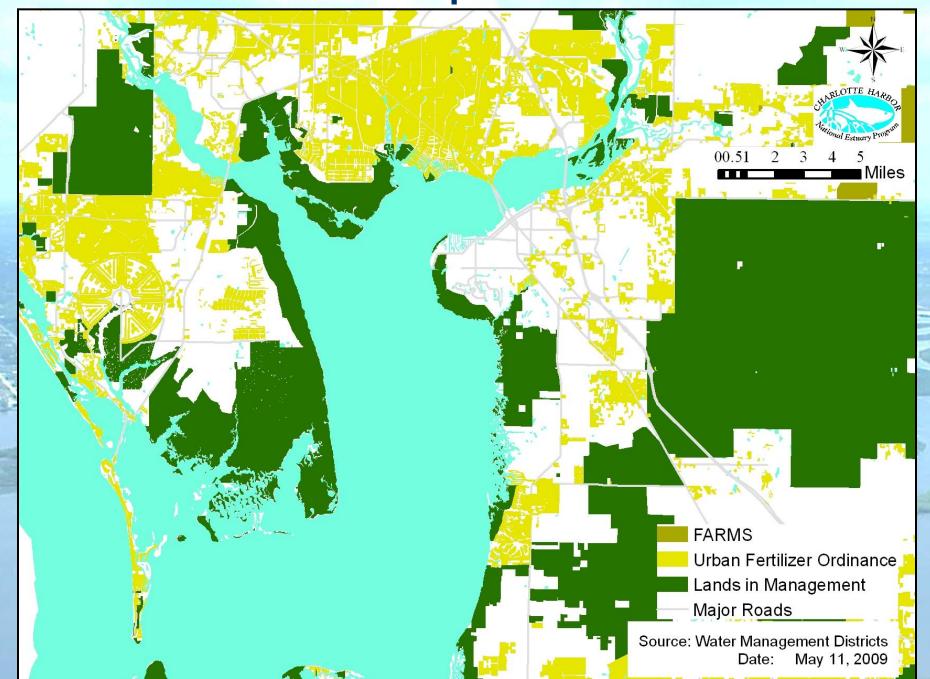
Jurisdiction	Effective Date	
Sanibel	3/6/2007	
Sarasota County	8/27/2007	
Venice	10/15/2007	
North Port	11/26/2007	
Lee County	5/13/2008	
Charlotte County	5/18/2008	
Fort Myers	11/17/2008	
Bonita Springs	11/19/2008	
Fort Myers Beach	12/18/2008	
Cape Coral	11/29/2010	
Punta Gorda	Adaptation Plan- 11/19/2009	

• Counties & Cities with Urban Fertilizer Ordinances

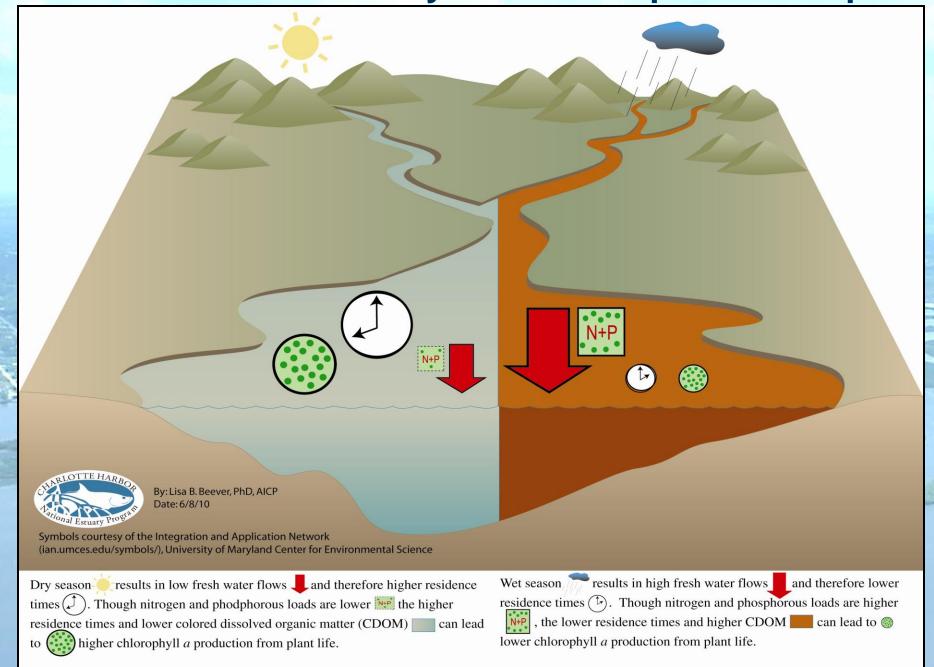
in **CHNEP Coastal Areas**



Fertilizer BMPs Also Implemented on Rural Lands



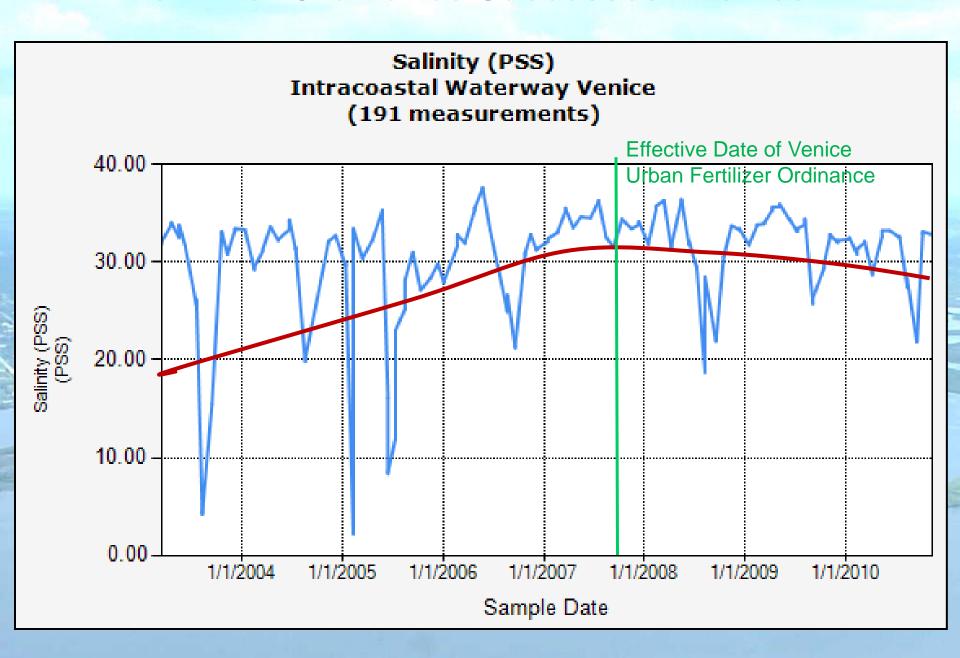
Fertilizer & Water Quality Relationships are Complex

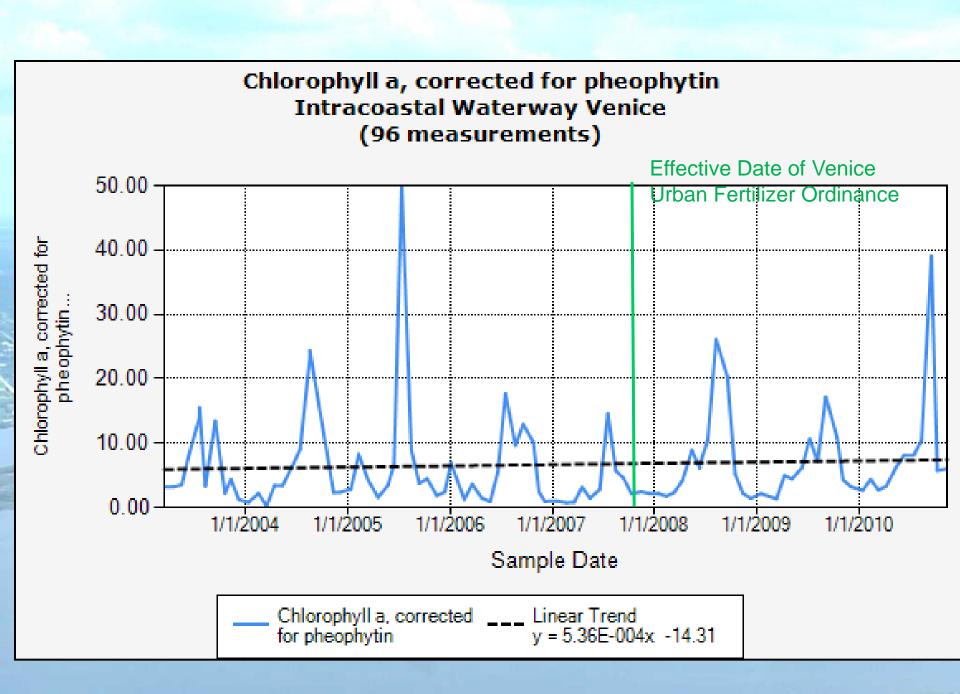


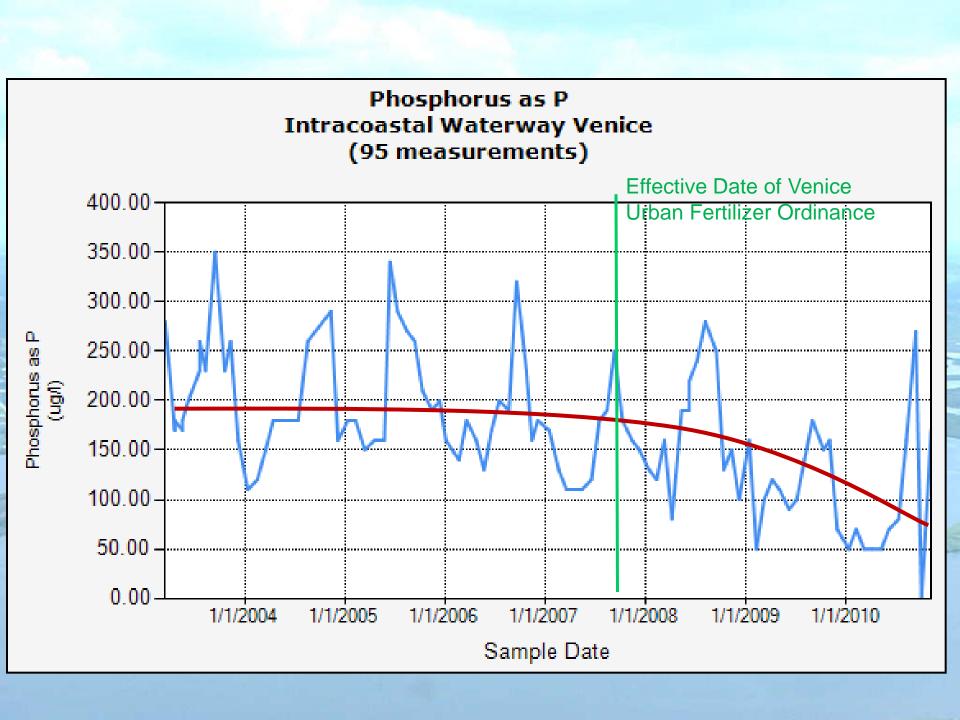
Fertilizer Ordinance Values

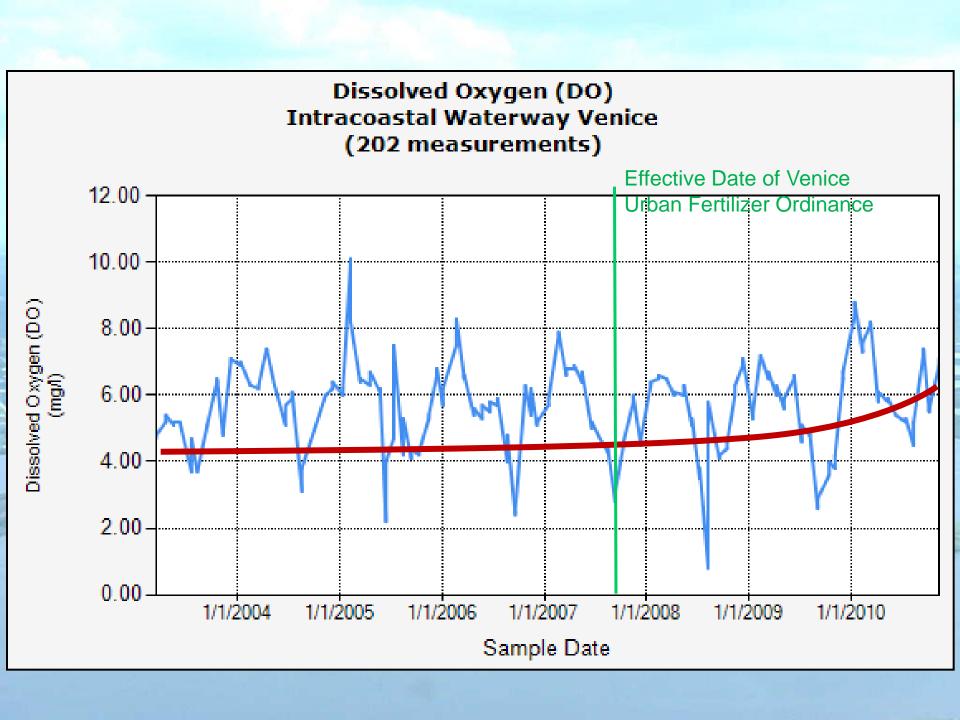
- Cost Saving to Homeowners
- Cost Savings to Prevent Pollutants vs. Remove
- Better Lawns & Yards
- Improves Property Values
- Reduces Energy Use & Costs
- Improves Water Quality
- Improves Fishing
- Better for Humans, Pets & Wildlife

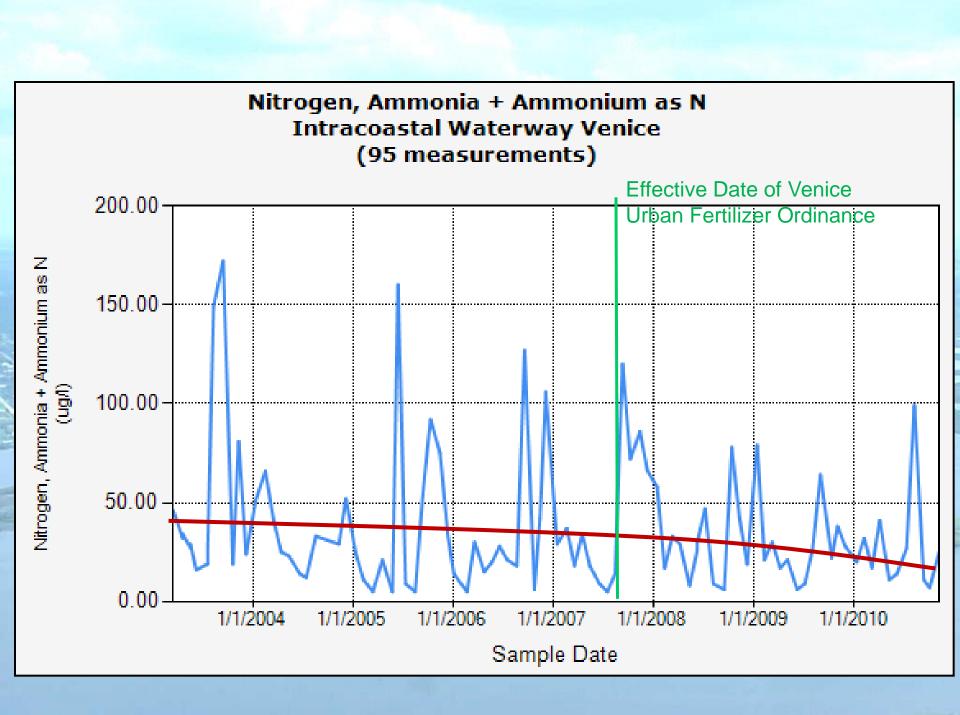
Fertilizer Ordinance Successes - Venice

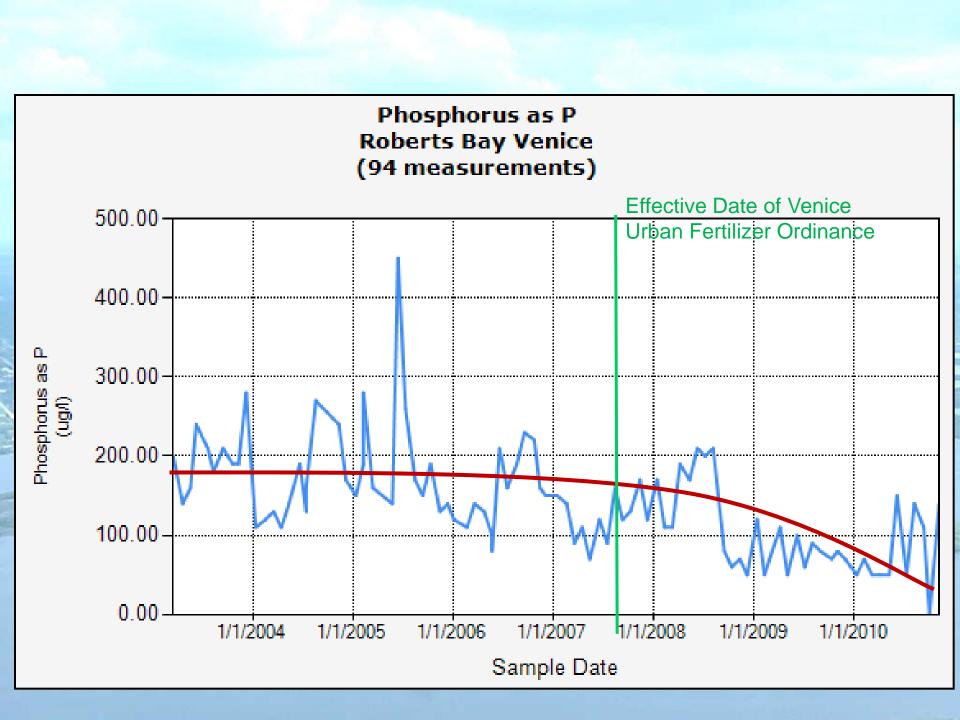


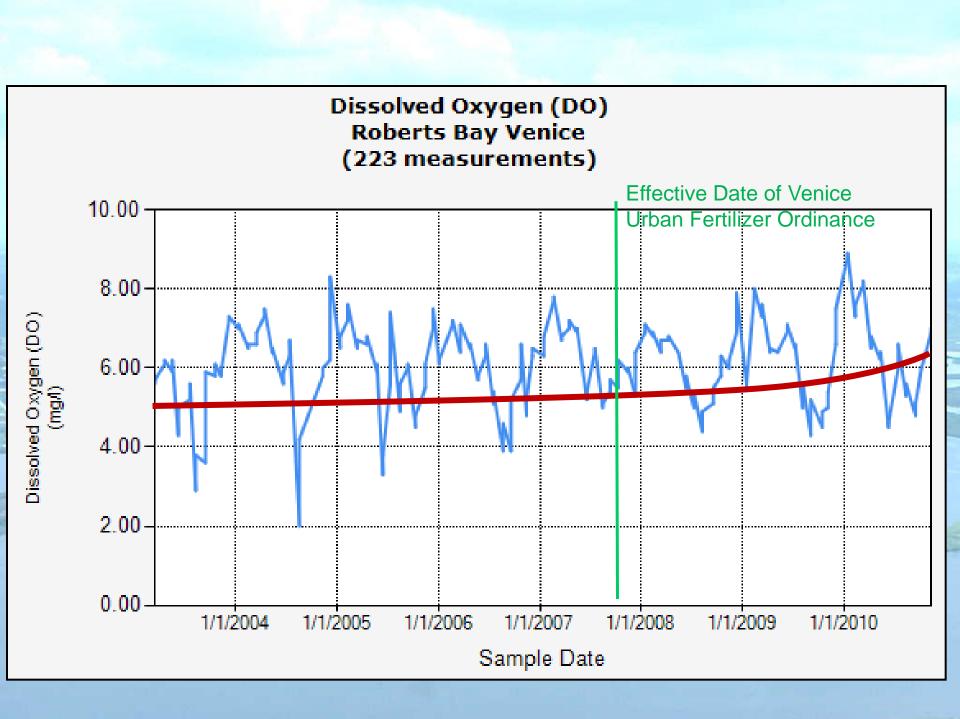


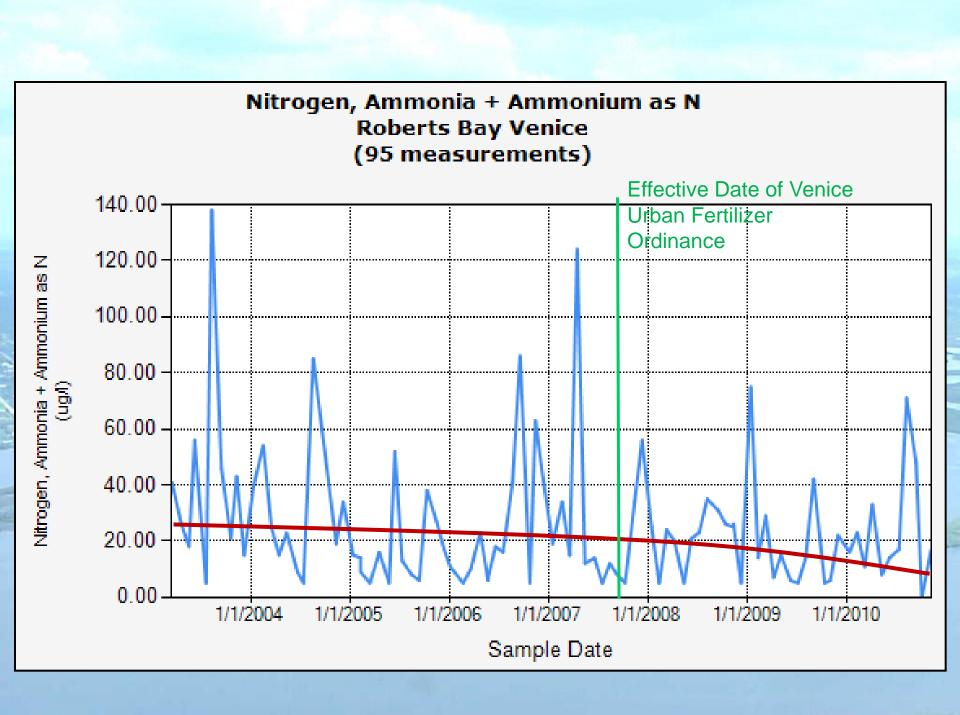












Charlotte County Fertilizer Ordinance















On March 18, 2008, Charlotre County Board of County Commissioners approved an ordinance regulating the use of fertilizers containing nitrogen and/or phosphorus within Charlotte County (Ordinance No. 2008-028). It establishes Best Management Practices (BMP) for both residential and commercial turf fertilizer application. The ordinance will enable Charlotte County to protect our water resources from nutrient pollution while enabling residents to have beautiful and healthy lawns.

Phosphorus Applications

Shall not exceed 0.25 pounds per 1,000 square feet at each application, and shall not exceed a total of 0.5 pounds per 1,000 square feet per

Nitrogen Applications

Nitrogen fertilizer must contain at least 50% slow-release nitrogen. NOTE: State of Florida regulations allow a maximum of 0.7 pounds of readily available [soluble] or one pound of total nitrogen per 1,000 square feet may be applied at any one time to turf.

Deflector Shields

If fertilizing within 3-10 feet from a water body or wetland, a deflector shield must be used on all broadcast spreaders. Fertilizer may not be applied within three feet of the water body or wetland.

Grass Clippings

No grass dippings, vegetative material, or vegetative debris may be deposited in stormwater drains, ditches, conveyances, water bodies, or roadways.

Commercial Fertilizer Applicators

All applicators of fertilizer (except homeowners on their own property) must receive training and certification in a Charlotte County-approved Best Management Practices (BMP) training program. Contact Charlotte County Extension Service [941,764,4340] for training opportunities. http://charlotte.ifas.ufl.edu

Enforcement

Enforcement actions will take place through the use of county code enforcement procedures or civil penalties.

Fertilizer-Free Zone

Fertilizer may not be applied within 10 feet of any water body or wetland for 3 feet if a deflector shield is used). No fertilizer may be applied to impervious (non-porous) surfaces, and any spillage must be removed.

Low-Maintenance Zone

A 6-foot low maintenance zone of landscape plants appropriate to preventing fertilizer runoff is recommended for any water body or wetland.

...... What To Look For On Your Fertilizer Label

% of Total N as Slow-Release Nitrogen (SRN) =

 $\frac{7}{100} \times 100 = 50\%$

(Meets 50% SRM Charlotte County Requirement)



GUARANTEED AHA	LYSIS
TOTAL MAROGEN (N)	(1401 %)
14.45% Urez Microgen (N	*
SOLUBLE POTASH (KAI)	26.00 %
SULFUR (S) Total	19.70 %
10.50% Free sulfar (S)	
9.20% Combined softer (5	1
IBON (Fe) Total	0.96 %
0.19% Water Seluble Iron	(fe)
MARGANESE (No) Total	048 %
0.1% Water Soluble Harg	anese (Mn)
DERIVED FROM: Polymer Coate Urea, Sulface of Potash, Jun C	

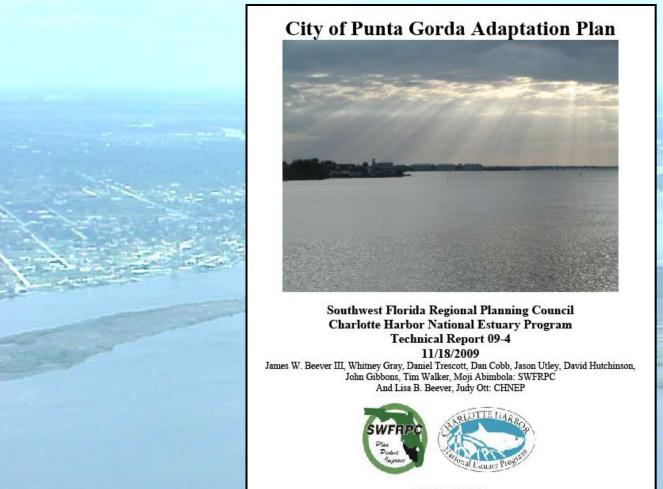
Potash K.O (HLORINE (U) Nov......

*T (OV Slowly Available Urea Mitrogen Start Palymer Coated Yallur Costed Brea.



2007 Considered Ordinance but Opted for Education

2009 Included in Climate Change Adaptation Plan



Adaptation Plan

