Proposed Approach for BMAP Development and Implementation

Manatee River BMAP Meeting
Aug. 19, 2011

BMAP Development

1. Review TMDLs, evaluate monitoring data, convene stakeholder group, coordinate with FDEP, document recent/current/proposed stakeholder projects

2. Prepare adoptable BMAP document (summarizing the above information), following FDEP guidelines

BMAP Implementation

1. Evaluate fecal coliform monitoring data annually, and summarize status and trends of MWQA scores annually

2. Also update project information in the Tampa Bay project database annually

BMAP Implementation

3. Conduct a tiered Contaminant Source Survey (CSS) for all BMAP WBIDs every 5 years (**FDEP FC Guidance Doc. Sect. 5**)
   - Maps-on-the-table only (to look for changes in land use) for areas with original CSS scores of 1 or 2
   - Maps-on-the-table and walk-the-WBID for areas with original CSS scores 3, 4 or 5

Decision Matrix developed for Hillsborough River BMAP

		MWQA group (based on binomial assessment of frequency of 400 CFU/100 mL fecal coliform exceedances)				
		A (≤ 10%)	B (>10% - 30%)	C (>30% - 50%)	D (>50% - 75%)	E (>75%)
Contaminant source survey (CSS) assessment category (likelihood of fecal contamination posing human health risks)	1. Very Low	A1	B1	C1[a]	D1[a]	E1[a]
	2. Low	A2[b]	B2	C2	D2[a]	E2[a]
	3. Moderate	A3[b]	B3	C3	D3	E3
	4. High	A4[b]	B4[b]	C4	D4	E4
	5. Very High	A5[b]	B5[b]	C5[b]	D5	E5

BMAP Implementation

4. Identify areas with potentially elevated human health risk (= CSS values 3, 4, 5) , where targeted follow-up water quality sampling may be needed (**FCG Sect. 2 & 3**)

BMAP Implementation

5. Implement targeted source control actions addressing specific high-risk sources (CSS = 4 or 5), within one year of source detection (**FCG Sect. 4 & 5**)

6. Provide public information about locations/ situations likely to have elevated human health risk (CSS = 4 or 5) (**FCG Sect. 4 & 5**)

BMAP Implementation

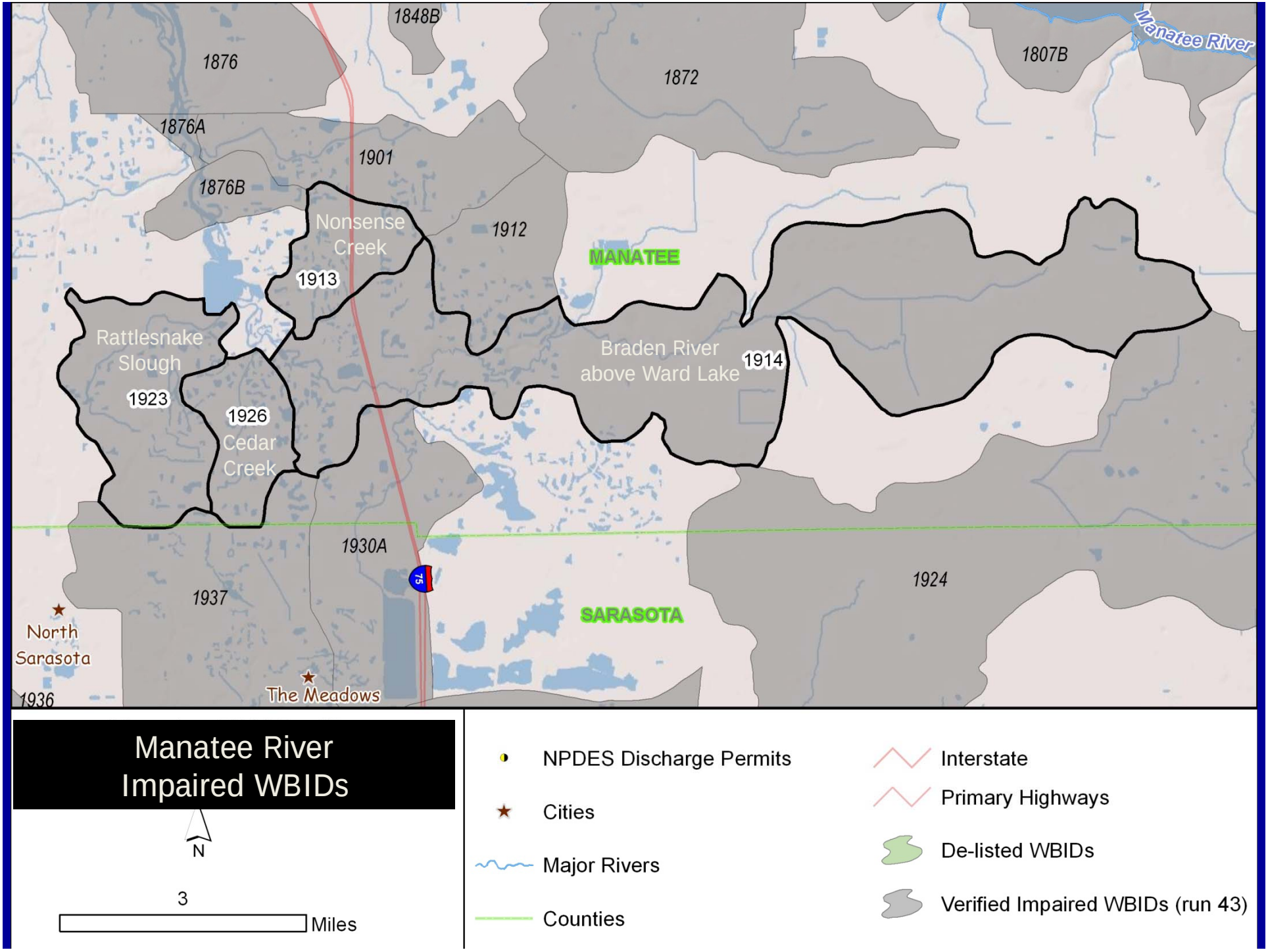
7. Continue baseline human health protection programs (e.g., central sewer system maintenance and repair; septic system repair and permitting; permitting of septage and sludge disposal; stormwater management systems; public education) in all BMAP WBIDs. (**FCG Sect. 4 & 5**)

BMAP Implementation

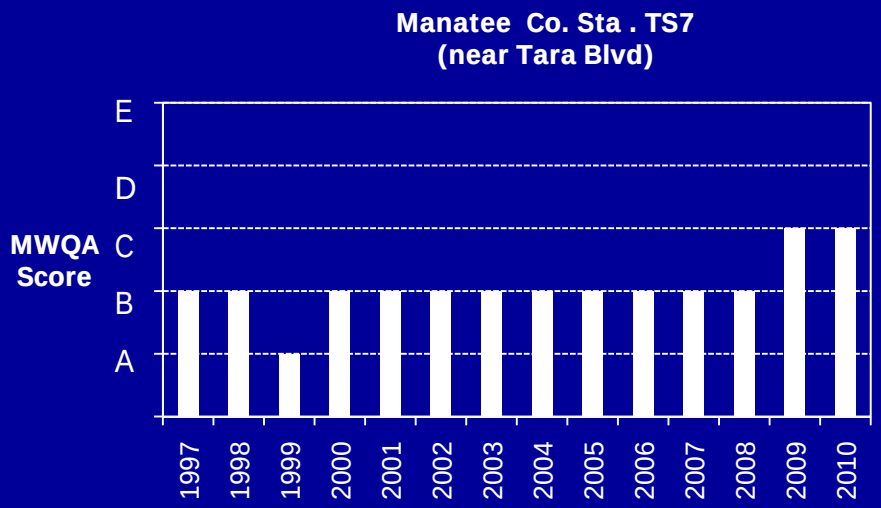
8. Update the full decision matrix every 5th year, following the CSS update, using most recent MWQA and CSS values.

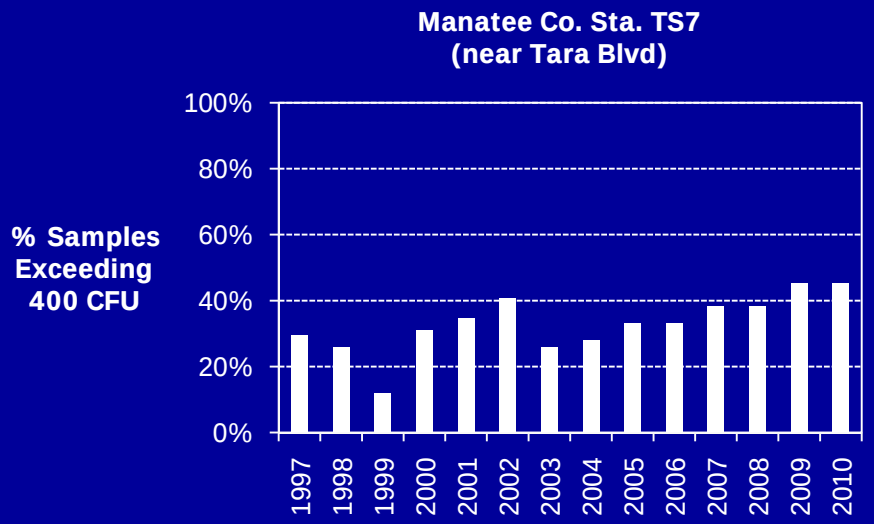
9. Also re-evaluate the implementation strategy every 5th year, using adaptive management approach to refocus source control efforts to priority areas as needed. (**FCG Sect. 4 & 5**)

Current Water Quality Information

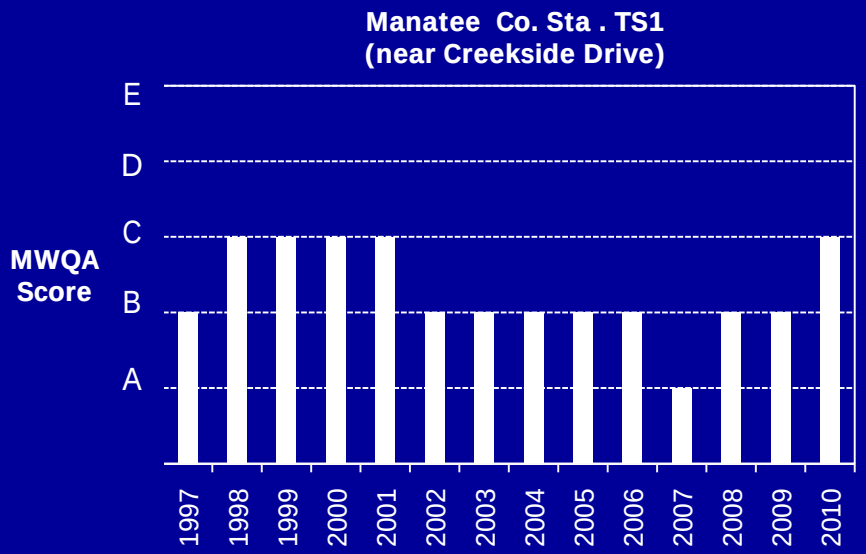

1848B
1876
1872
1807B
Manatee River
1876A
1901
1876B
Nonsense Creek
1912
MANATEE
1913
Rattlesnake Slough
Braden River above Ward Lake
1914
1923
1926
Cedar Creek
1930A
1924
1937
SARASOTA
North Sarasota
The Meadows
1936
Manatee River Impaired WBIDs
N
3
Miles
NPDES Discharge Permits
Cities
Major Rivers
Counties
Interstate
Primary Highways
De-listed WBIDs
Verified Impaired WBIDs (run 43)

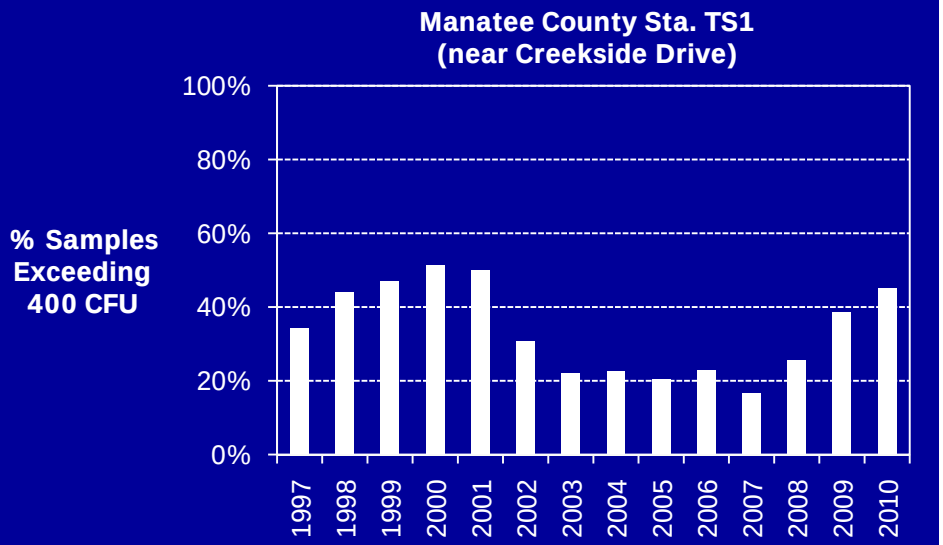
Nonsense Creek
(WBID 1913)



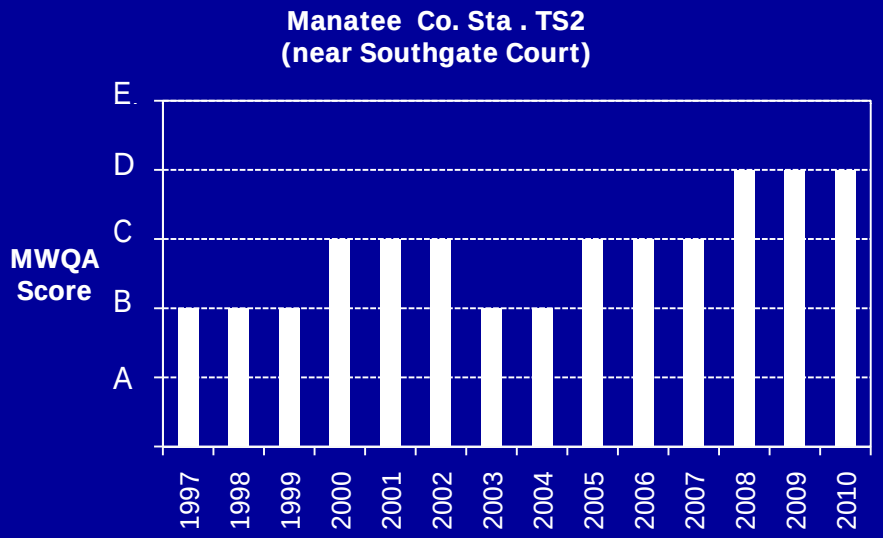


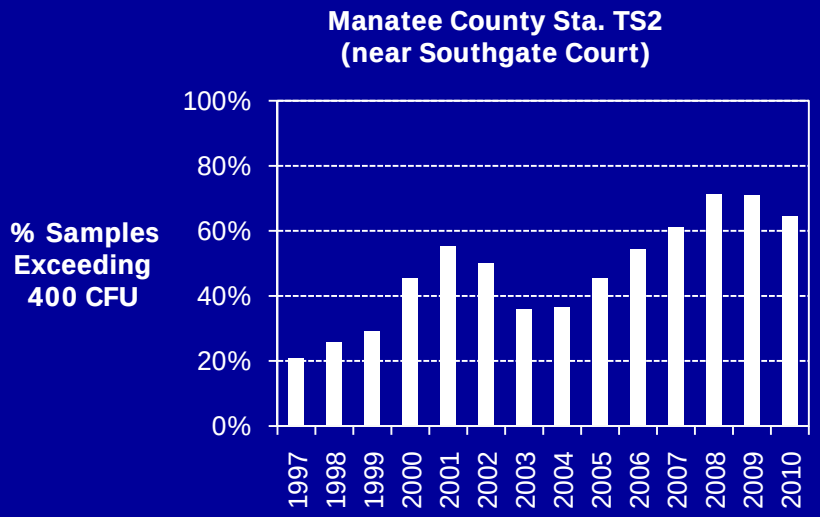
Rattlesnake Slough
(WBID 1923)



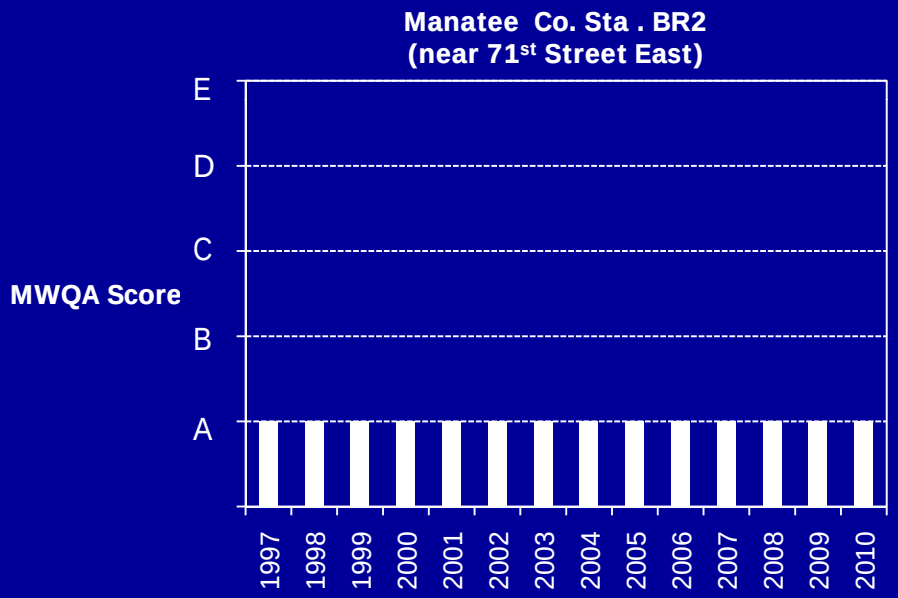


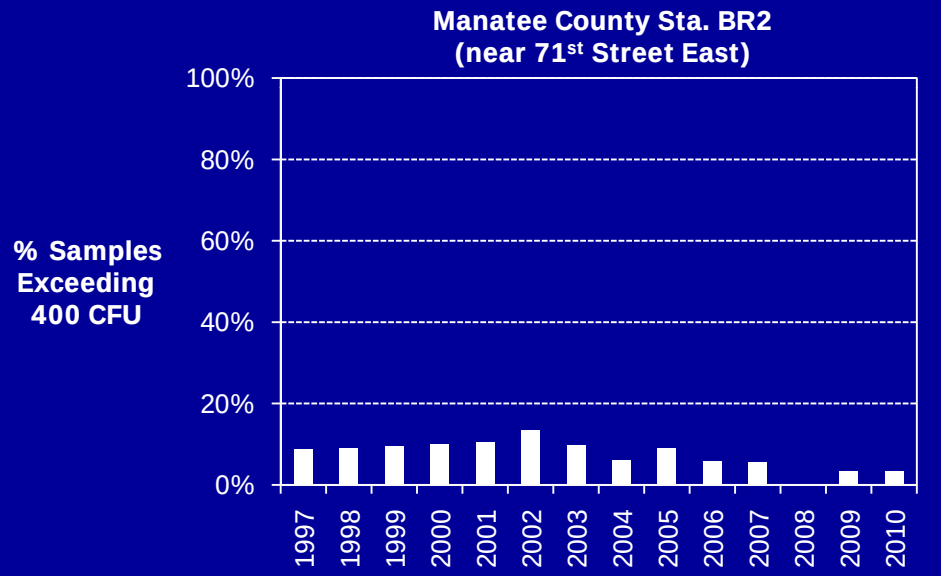
Cedar Creek
(WBID 1926)





Braden River above Ward Lake
(WBID 1914)





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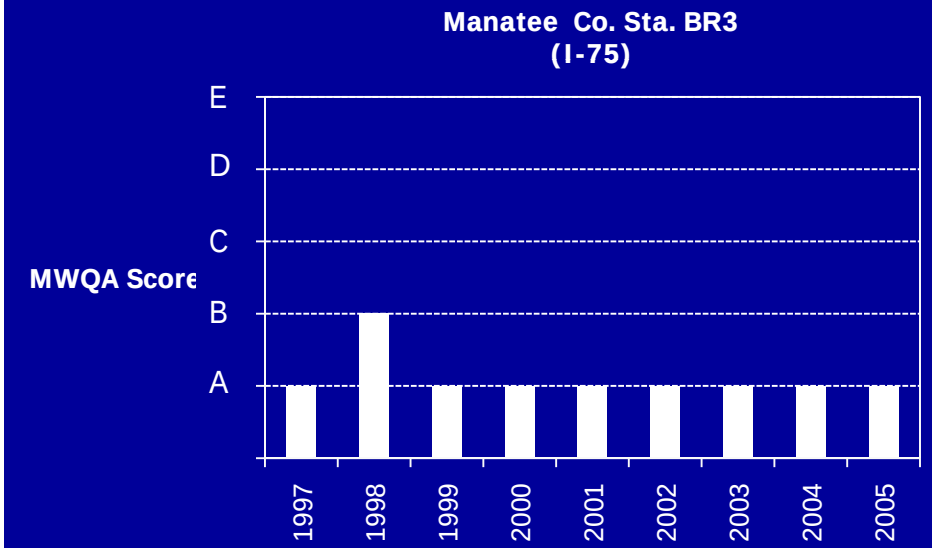

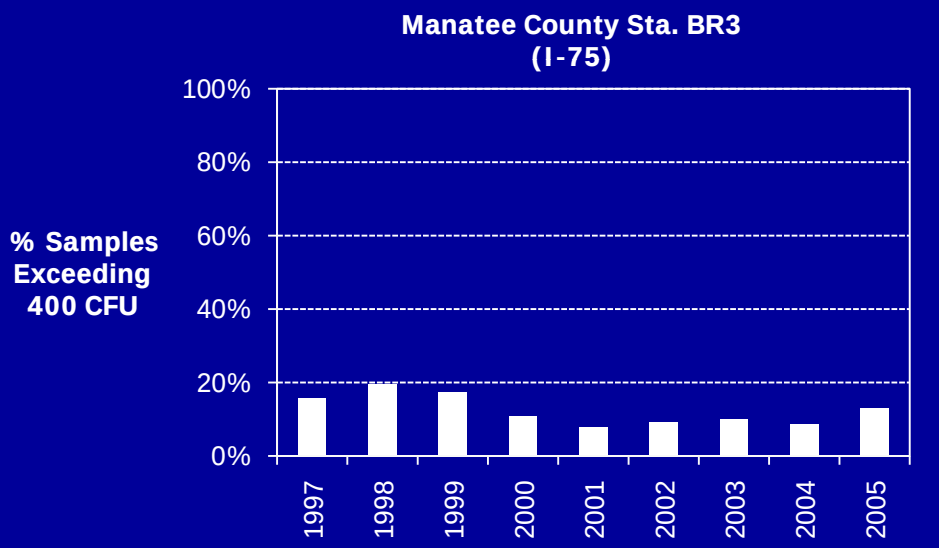

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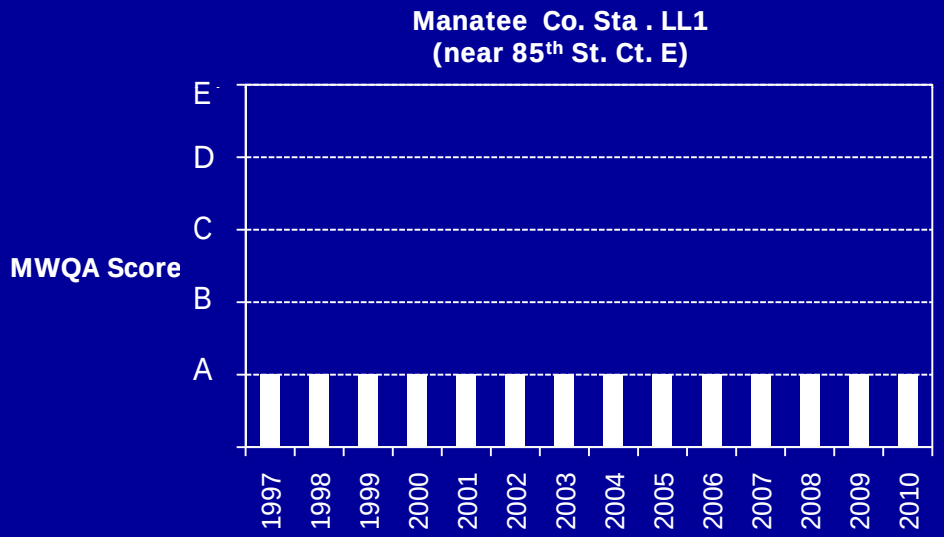

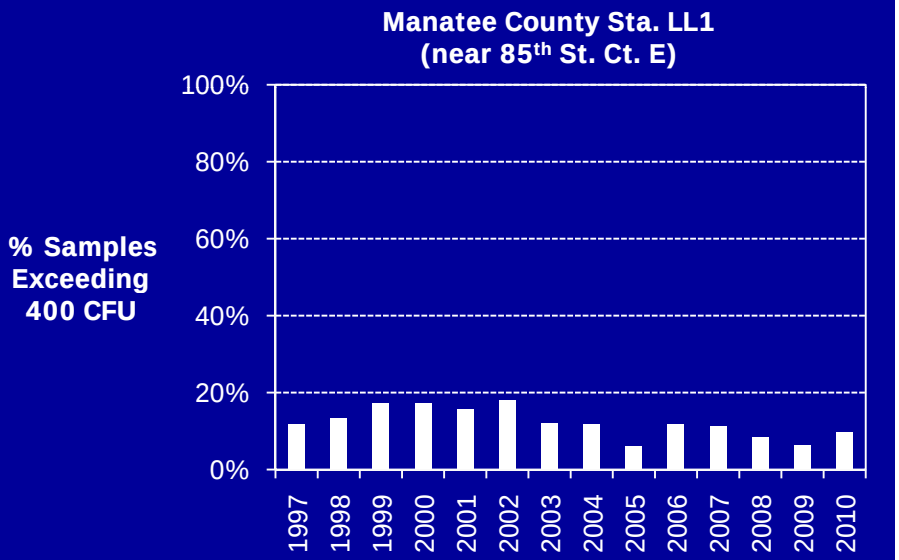

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