

Manatee River Basin BMAP Meeting

Bradenton Central Library
October 2011



WELCOME



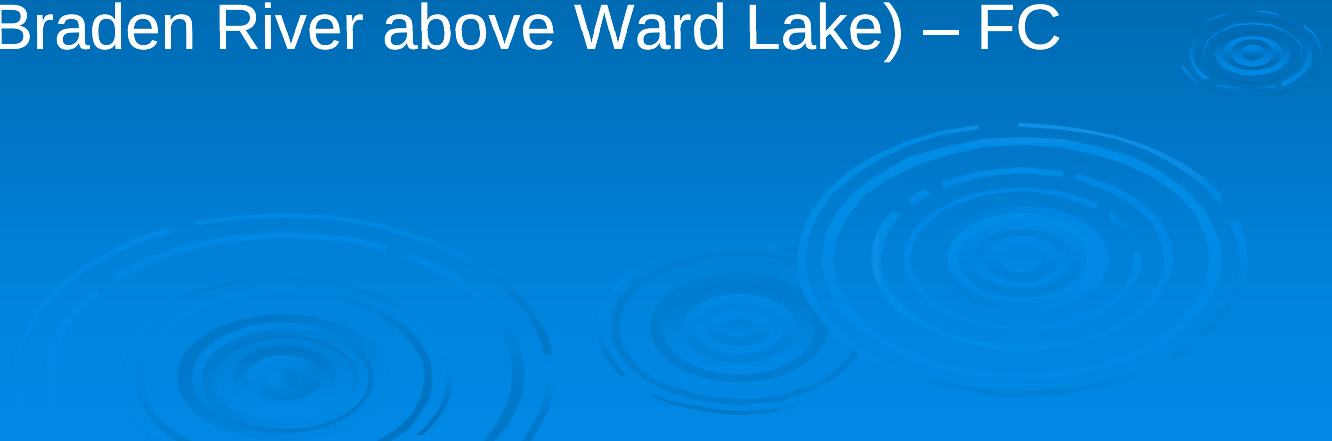
Introductions

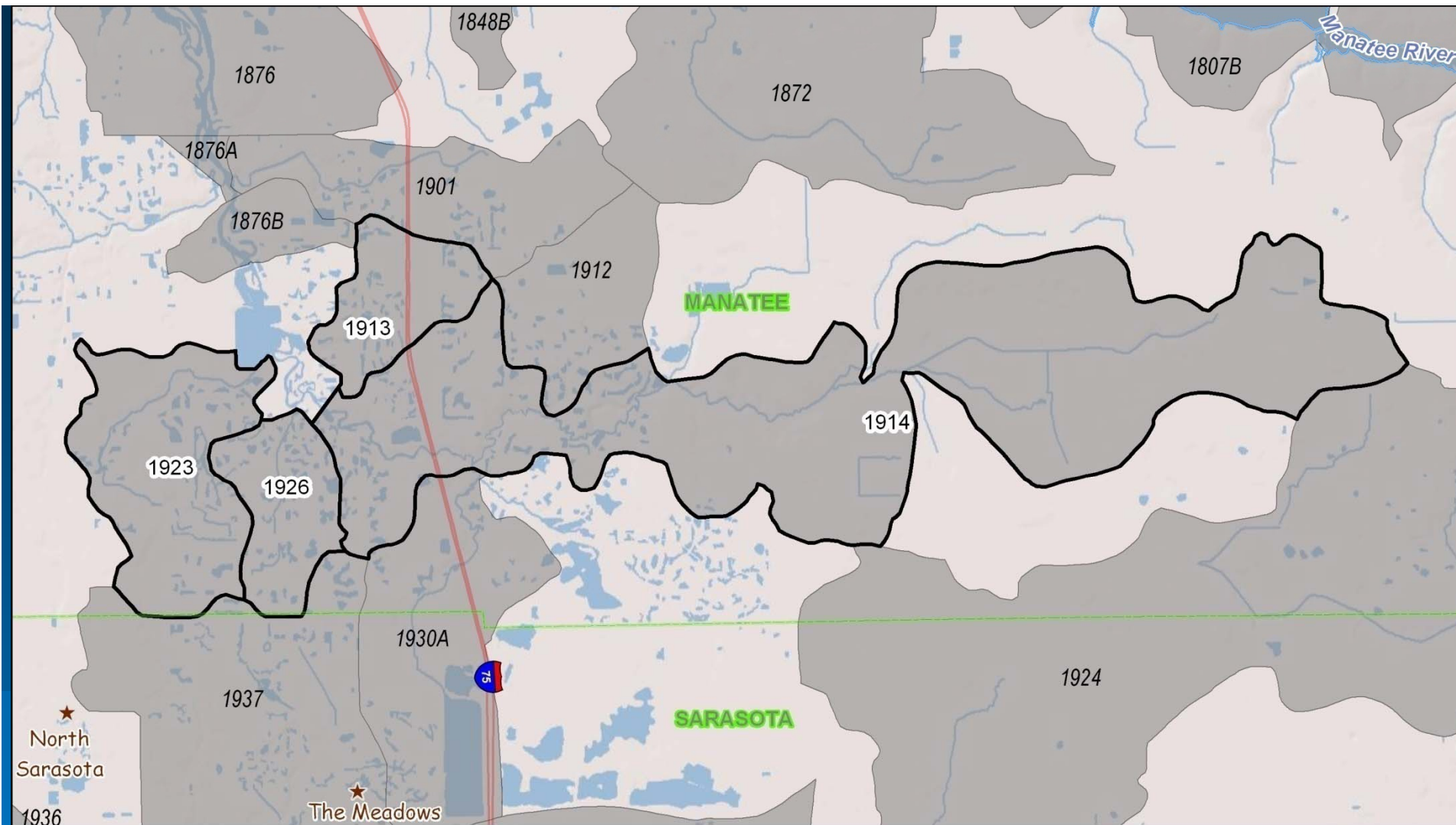
staff supporting the BMAP

- Gerold Morrison (AMEC)
- Terry Hansen (FDEP)
- Anita Nash (FDEP)



Manatee River Basin WBIDs (in this BMAP)

- WBID 1923 (Rattlesnake Slough) – Nutrient, dissolved oxygen (DO) and fecal coliform (FC) impairments
 - WBID 1926 (Cedar Creek) – FC impairment
 - WBID 1913 (Nonsense Creek) – DO and FC impairments
 - WBID 1914 (Braden River above Ward Lake) – FC impairment
- 



Manatee BMAP with
Verified Impaired Run 43 WBIDs



3

Miles



NPDES Discharge Permits



Cities



Major Rivers



Counties



Interstate



Primary Highways



De-listed WBIDs



Verified Impaired WBIDs (run 43)

REVIEW

- June 2011 - Sunshine Law/TMDL/BMAP
- July 2011 - MS4 permits & BMAPs/Fecal Coliform Toolkit/Decision Matrix Intro/Walk the Waterbody
- August 2011 – HRB Decision Matrix/WTW/ project update process
- http://publicfiles.dep.state.fl.us/DEAR/BMAP/Tampa_Bay_Tributaries/BMAP_2011/

October 2011 meeting

- Nutrients (Terry)
- Database Update (Gerold)
- Project Update Process (Gerold)

Nutrient Impairments



Nutrient Impaired WBIDS

- WBID 1923 Rattlesnake Slough
 - TN TP & DO



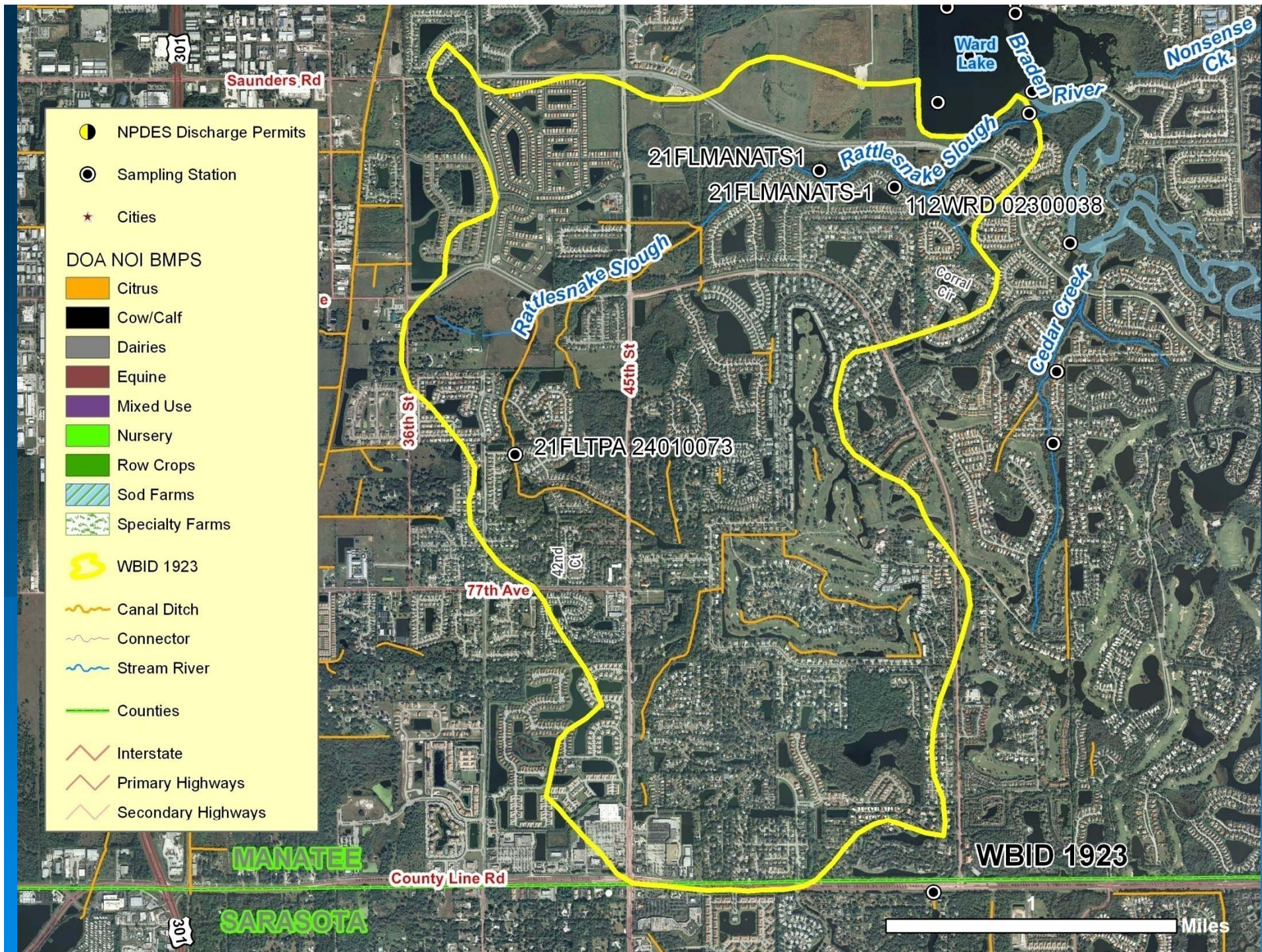


Table 5.2. Sampling Station Summary for the Rattlesnake Slough Watershed

Station	Years With Data	CHLA #	DO #	TN #	TP#
Rattlesnake Slough (TS1)	1990-2008	209	245	232	223
Rattlesnake Slough Near Sarasota, FL	1993-1997	0	5	17	17
TP114 - Rattlesnake Slough	1998	0	1	0	0

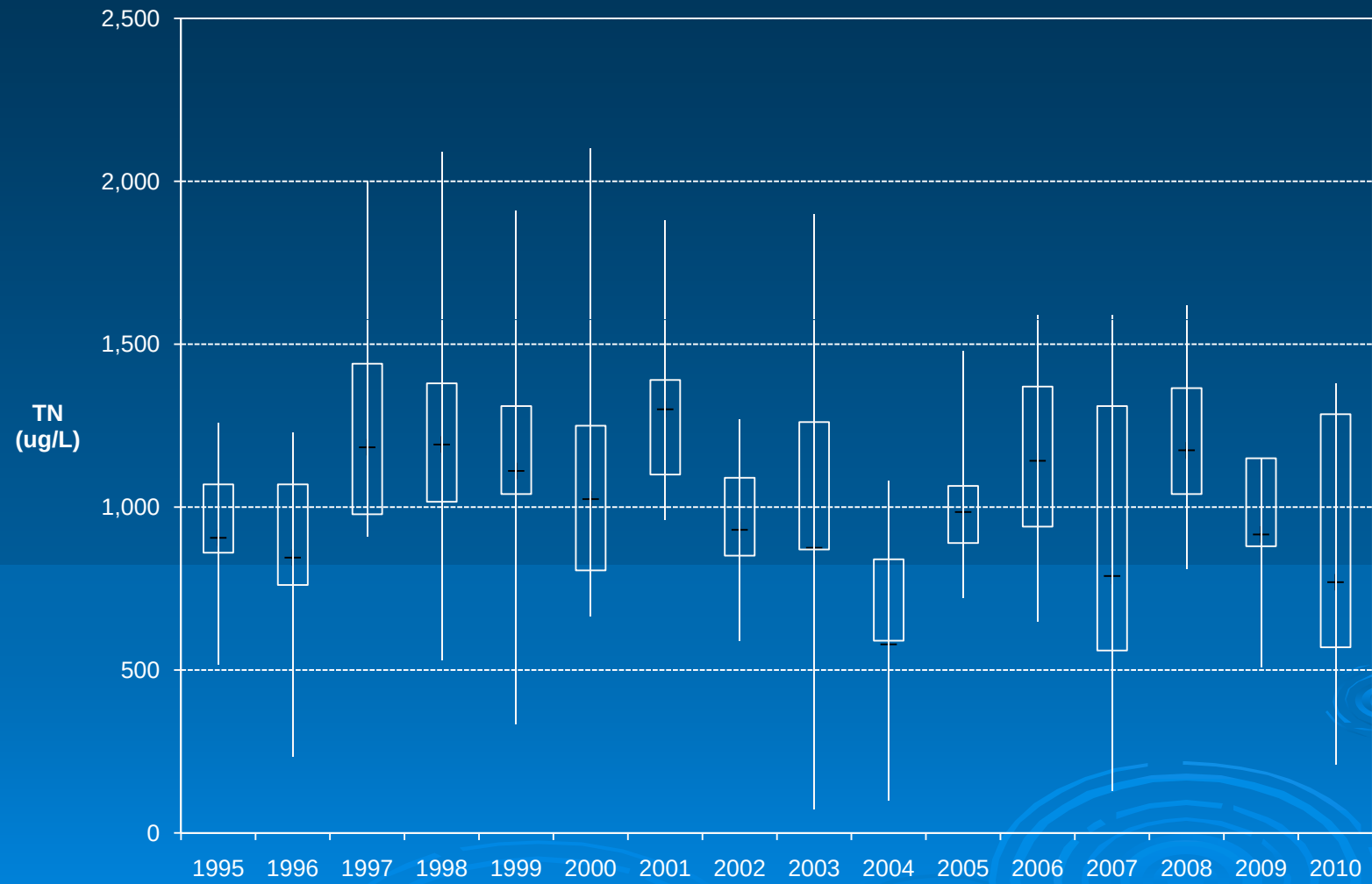
Table 5.3. Summary Statistics for Major Water Quality Parameters Measured in Rattlesnake Slough

Parameter	Sample #	Min	25th %	Median	Mean	75th %	Maximum
BOD5 (mg/L)	132	0.5	2.0	2.4	2.8	3.5	7.7
CHLA (ug/L)	189	1	2.6	5.5	11.3	11.2	234.4
DO (mg/L)	193	2.7	4.4	5.3	5.5	6.6	11.4
TN (mg/L)	192	0.19	0.96	1.17	1.21	1.44	2.56
TP (mg/L)	186	0.07	0.29	0.39	0.43	0.52	2.25

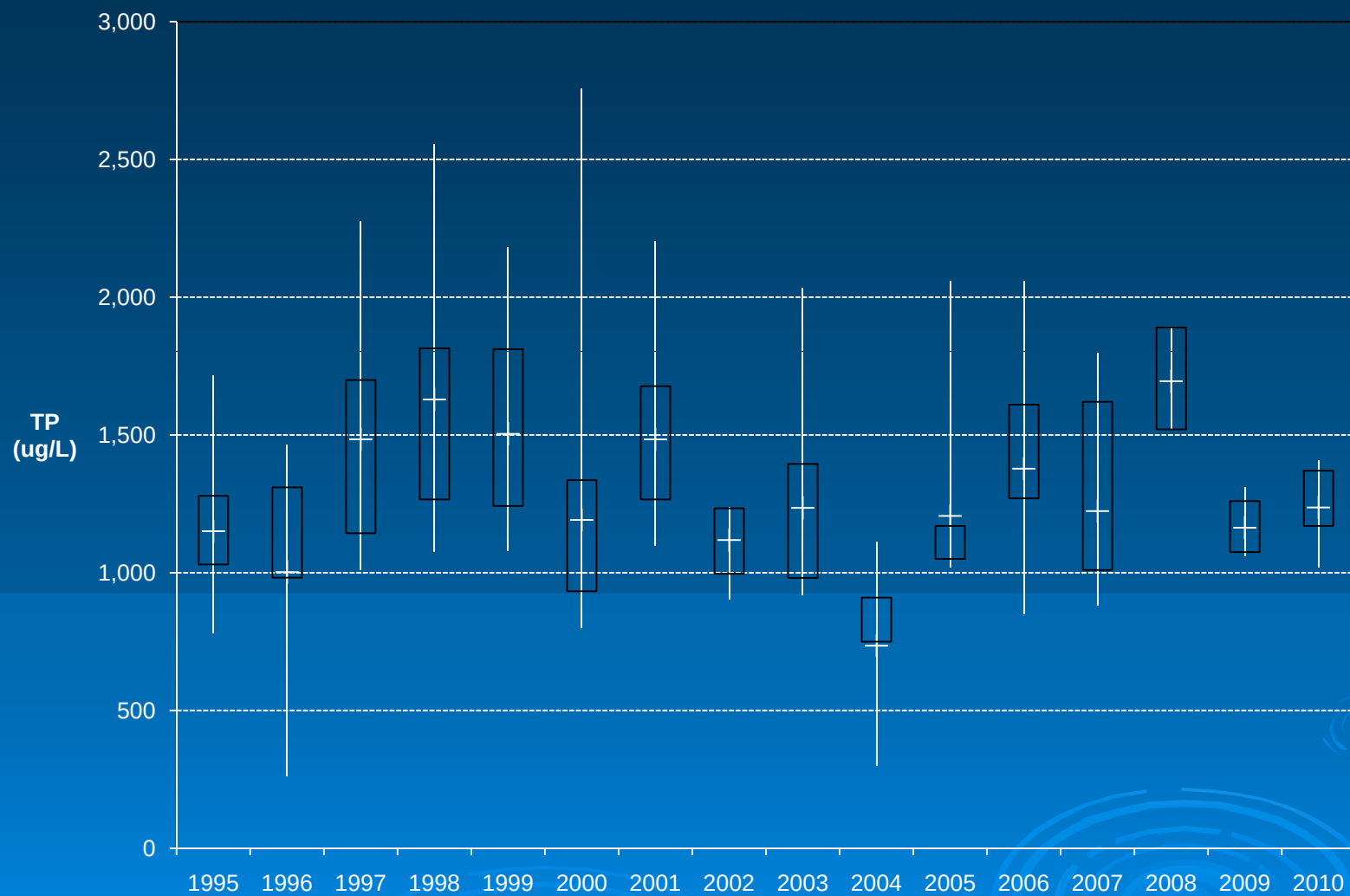
TMDL 1923

Parameter	TMDL	Min-Max	Mean	Median
TN	0.84 mg/l	0.19 – 2.56	1.21	1.17
TP	0.48	0.07 – 2.25	0.43	0.39
BOD	2.40	0.5 – 7.7	2.8	2.4

Rattlesnake Slough, Sta. TS1



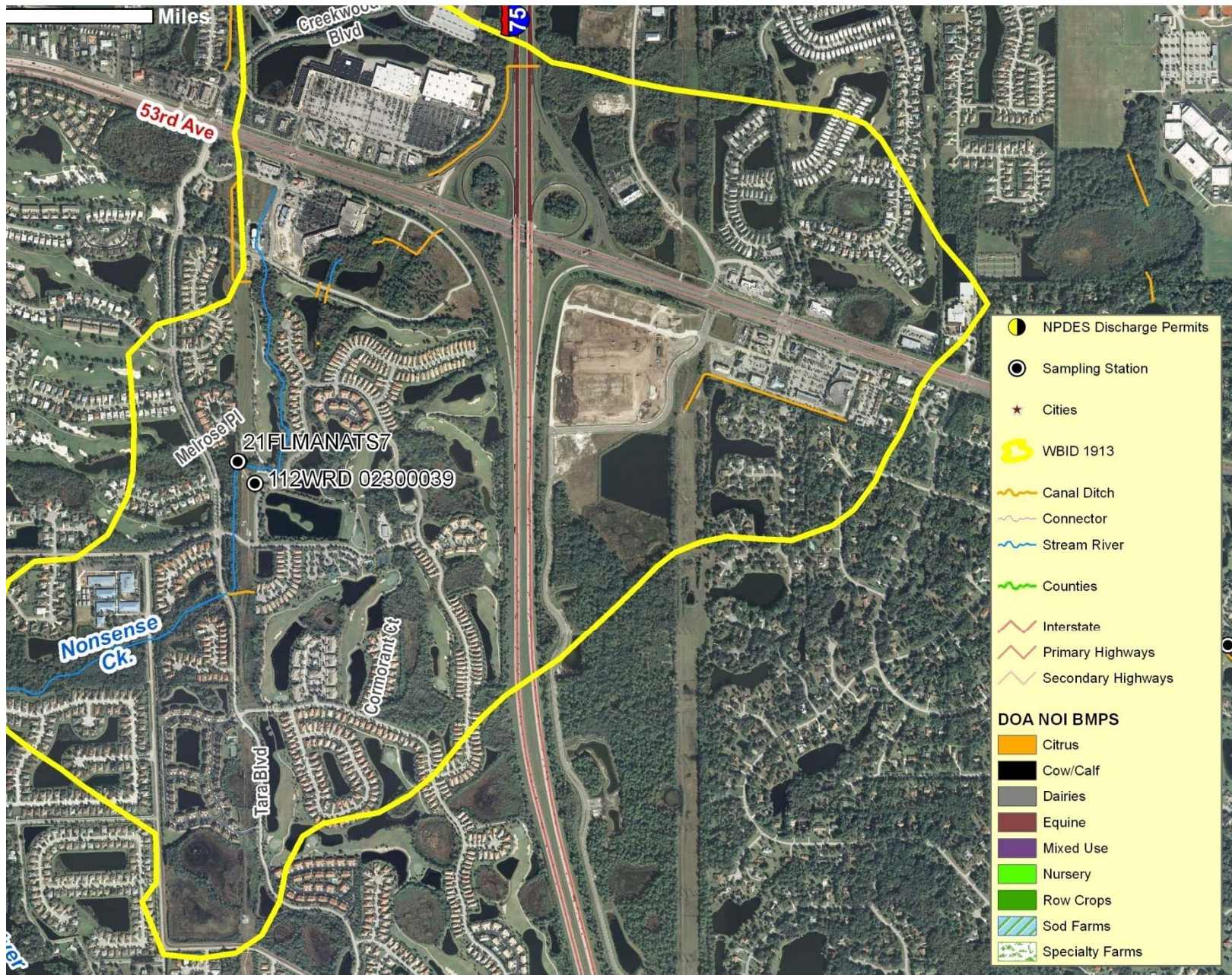
Rattlesnake Slough, Sta. TS1



Nutrient Impaired WBIDS

- WBID 1913 Nonsense Creek
 - DO (nutrients cause)





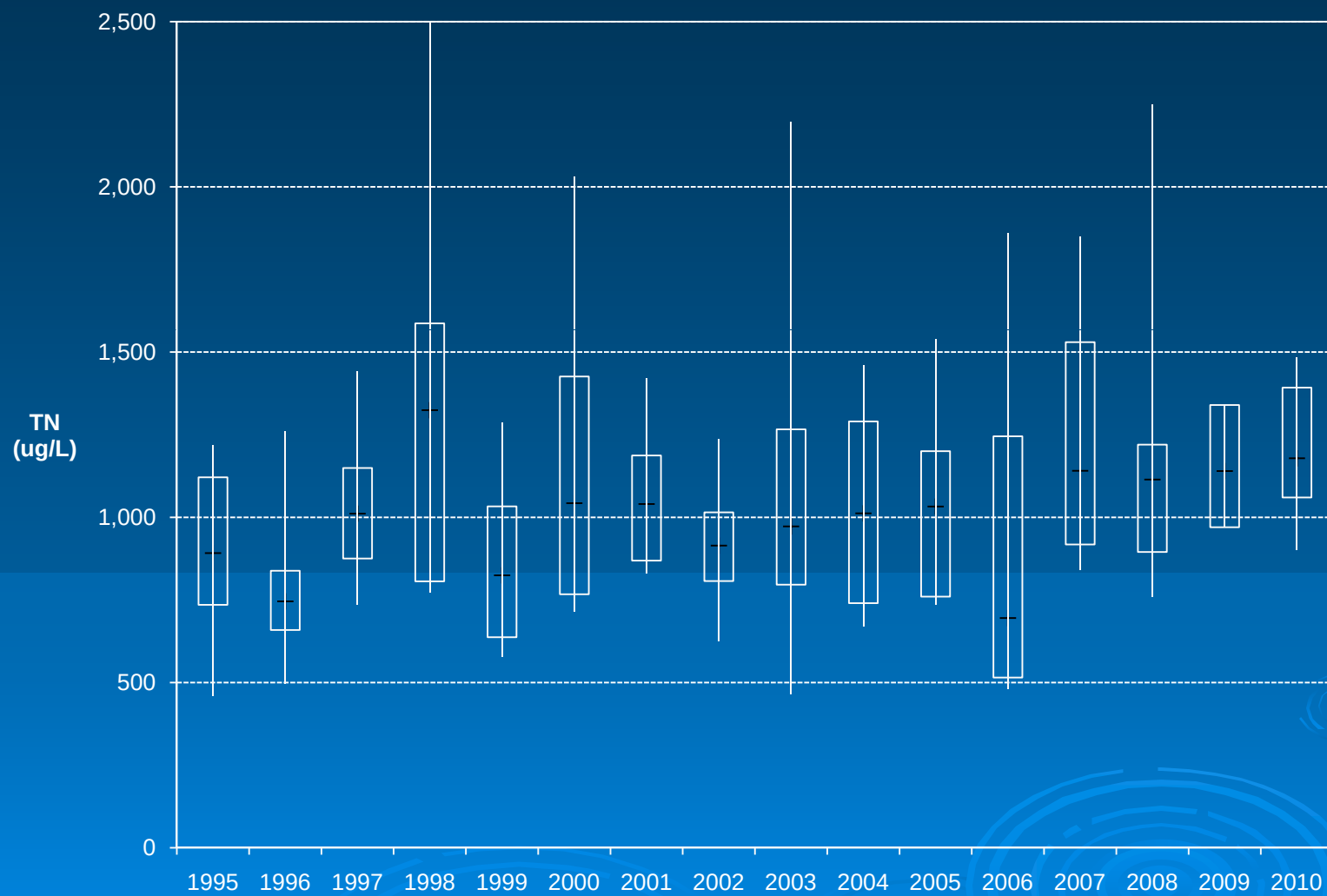
Station	Years With Data	BOD #	DO #	TN #	TP #
Nonsense Creek S7	1990-2008	129	224	207	203
Nonsense Creek 39 Near Bradenton, FL	1993-1997	0	4	14	14

Parameter	#Samples	Min	25th %	Median	Mean	75th %	Max
BOD5 (mg/L)	76	1.4	2.0	2.7	3.0	3.6	6.5
DO (mg/L)	80	2.0	5.0	6.0	6.2	7.1	16.3
TN (mg/L)	72	0.20	0.79	0.95	1.03	1.23	2.2
TP (mg/L)	71	0.01	0.06	0.06	0.21	0.16	1.9

TMDL 1913

Parameter	TMDL	Min-Max	Mean	Median
TN	0.89 mg/l	0.2 – 2.2	1.03	0.95
BOD	2.0	1.4 – 6.5	3.0	2.7

Nonsense Creek, Sta. TS7



BREAK



Database & Project Update



BMAP Timeline



Future Meeting Topics

- September Meeting
 - Nutrient Load Discussion
 - Project updates
 - Database

What Needs to be Done Next?

- Nutrient & FC WBIDs
 - Collect project information
 - Determine load allocations (as needed)
- BCI/AMEC will be contacting stakeholders to:
 - update projects in RA Plan
 - Collect information on new projects

Contact Information

- Basin Coordinator terry.hansen@dep.state.fl.us
- TMDL kevin.petrus@dep.state.fl.us
- TMDL Website link
<http://www.dep.state.fl.us/water/tmdl/index.htm>
- Presentations & other Information
http://publicfiles.dep.state.fl.us/DEAR/BMAP/Tampa_Bay_Tributaries/