



Manatee River pre-BMAP overview

Oct. 2012 Stakeholders Meeting



WELCOME

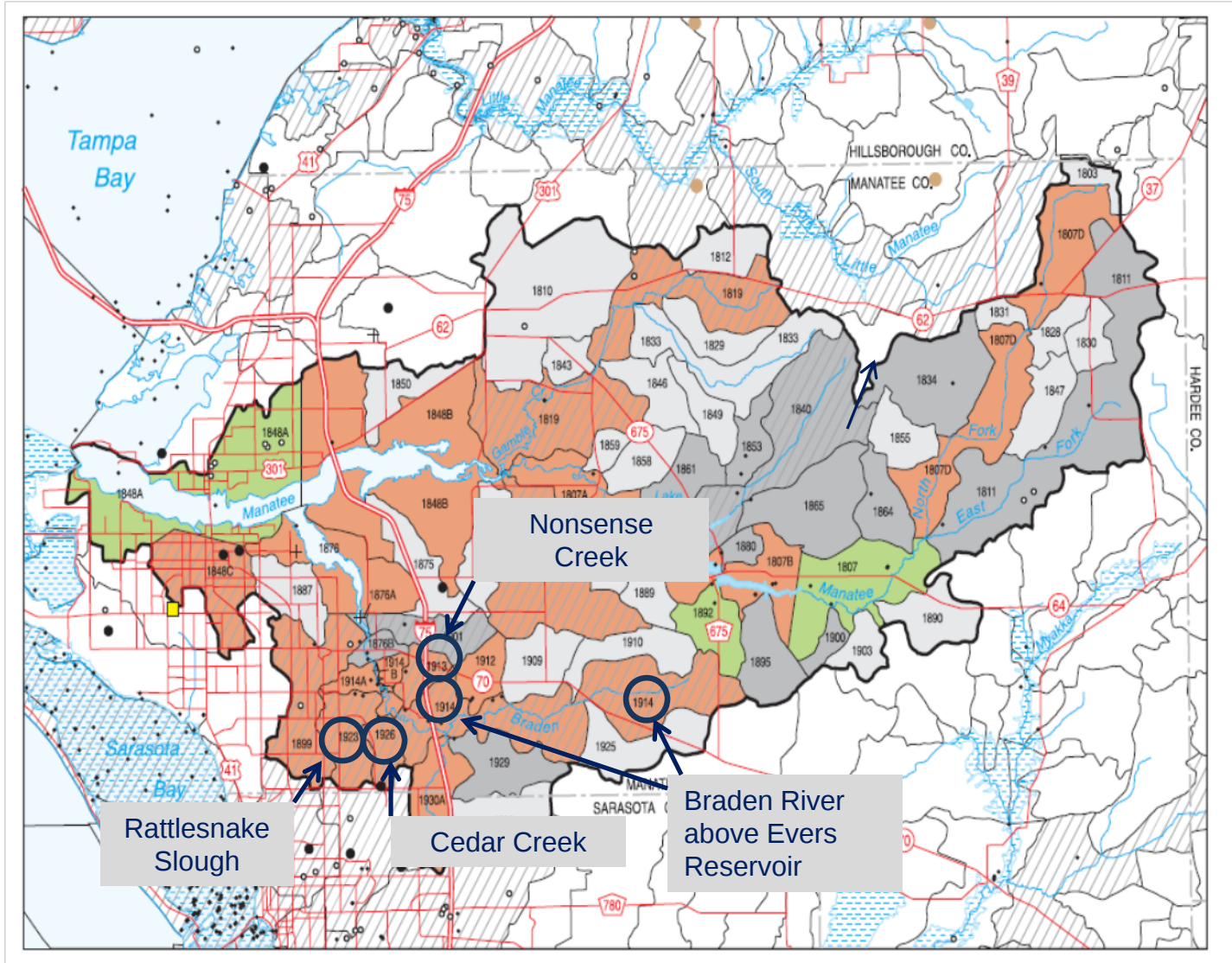


TMDL Water Quality Restoration Grant Opportunity – Application Deadline is November 1st

Three times a year, funding is awarded for the implementation of best management practices designed to reduce pollutant loads to impaired waters from urban stormwater discharges. This funding is administered by the Florida Department of Environmental Protection as the TMDL Water Quality Restoration Grant, which is set out by rule in Chapter 62-305, F.A.C. and authorized by Section 403.890(2), F.S.

If you would like to submit an application, the deadline for this project selection period is **November 1, 2012**. Any questions regarding the grant should be directed to Connie Becker at Connie.L.Becker@dep.state.fl.us or at 850-245-8418. Please visit our website for more information: http://www.dep.state.fl.us/water/watersheds/tmdl_grant.htm .

WBIDs of concern



WBID impairments

WBID No.	Name	Impairment
1923	Rattlesnake Slough	*DO (nutrients/chl-a) Fecal coliforms
1926	Cedar Creek	*DO (nutrients/chl-a) Fecal coliforms
1913	Nonsense Creek	*DO (nutrients/chl-a) Fecal coliforms
1914	Braden River above Evers Reservoir	Fecal coliforms

* May be de-listed, based on chlorophyll-a and SCI data

TMDL components (for DO impairments)

WBID No.	Name	TMDL
1923	Rattlesnake Slough	TP (load reduction) - WLA (NPDES stormwater) = 21% - LA = 21% TN (load reduction) - WLA (NPDES stormwater) = 30% reduction - LA = 30% reduction BOD5 (load reduction) - WLA (NPDES stormwater) = 31% reduction - LA = 31% reduction
1913	Nonsense Creek	TN (load reduction) - WLA (NPDES stormwater) = 27% reduction - LA = 27% reduction BOD₅ (load reduction) - WLA (NPDES stormwater) = 36 % reduction - LA = 36% reduction

Manatee WBIDs

Run 46 IWR Assessment

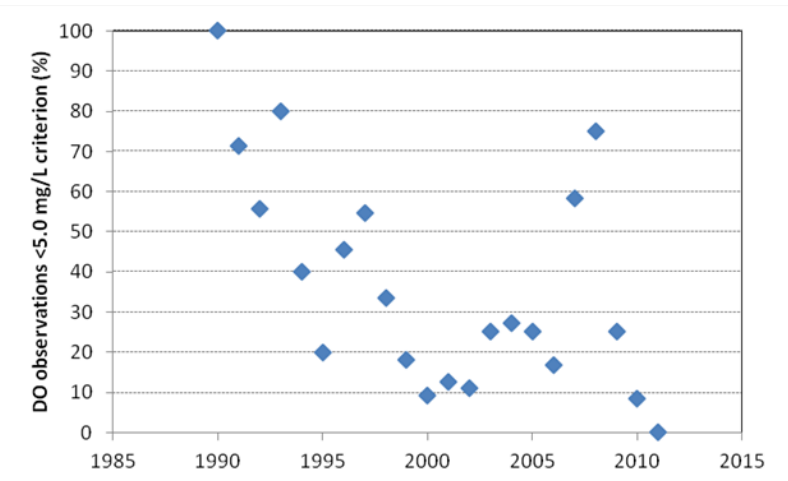
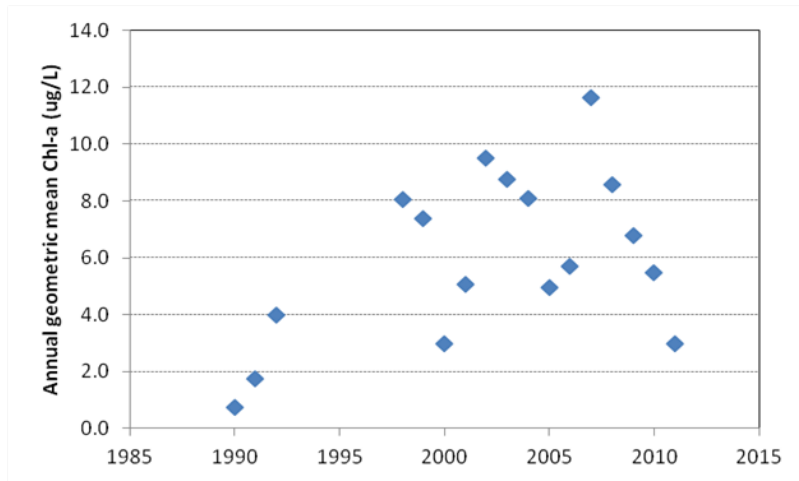
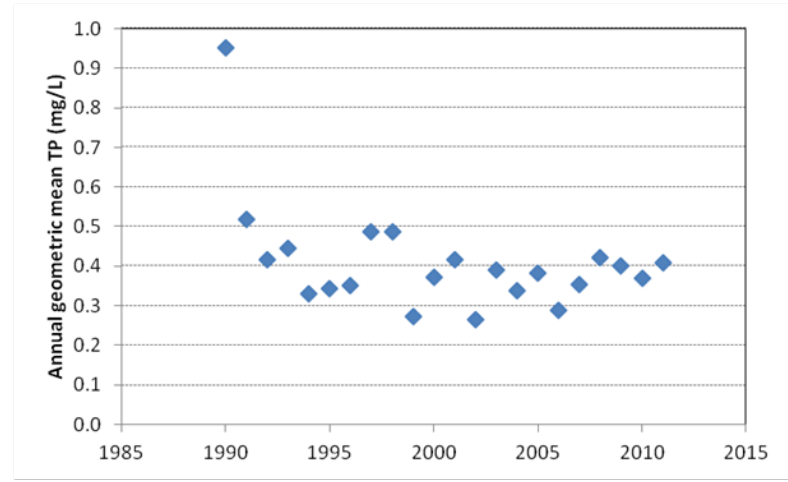
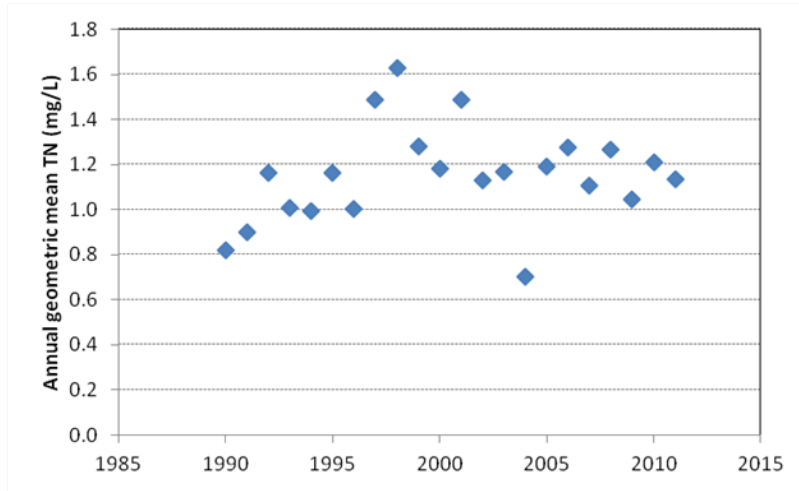
WBID	DO	Nutrients	Fecal
1923 DONut, FC	IM	NI (delist will depend on '12 data)	IM
1926 FC	IM	NI	IM
1913 DO, FC	IM	NI	IM
1914 FC	IM	NI	IM

WQ Status and Trends

WBIDs with DO impairments

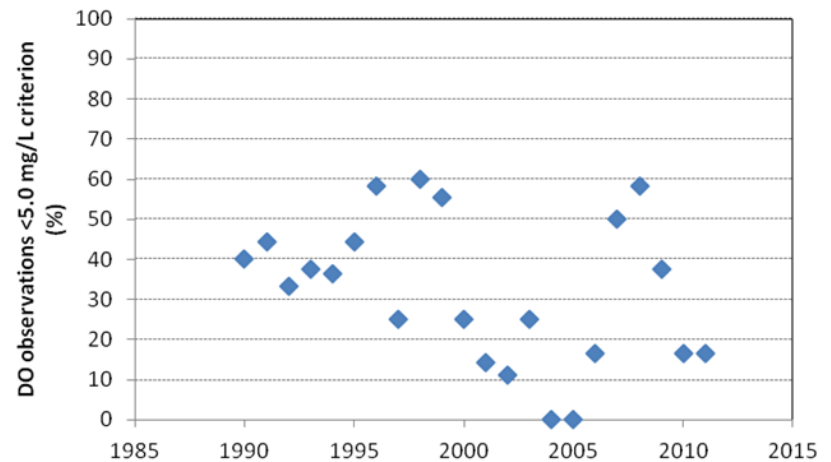
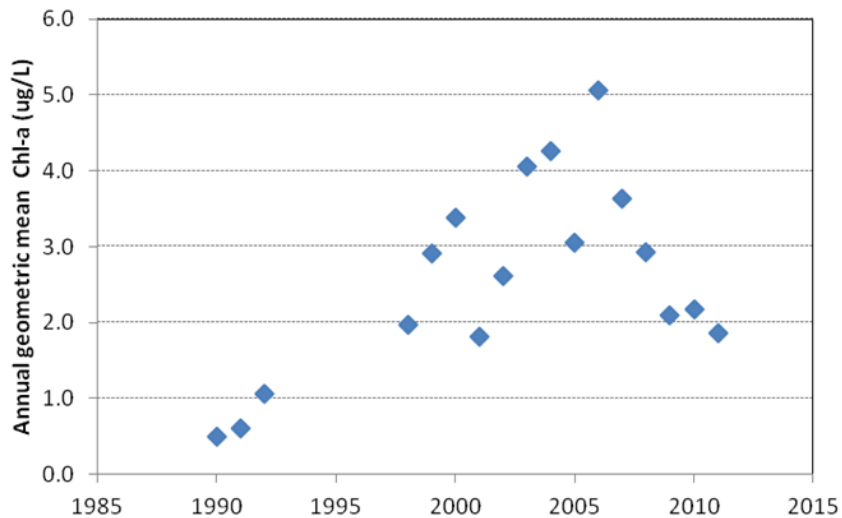
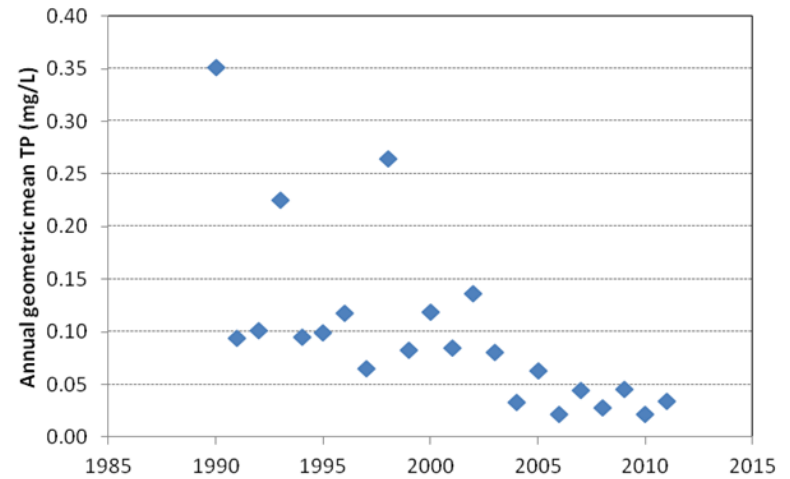
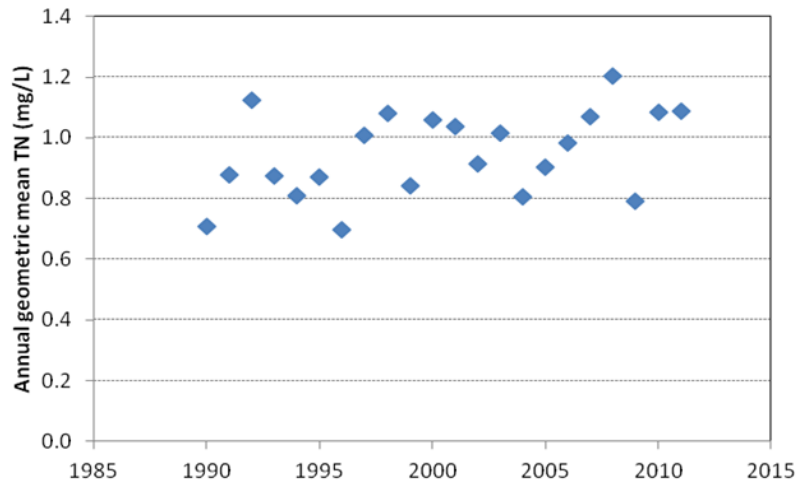
WBID 1923 – Rattlesnake Slough

(data from Manatee County station TS1)



WBID 1913 (Nonsense Creek)

(data from Manatee County station TS7)



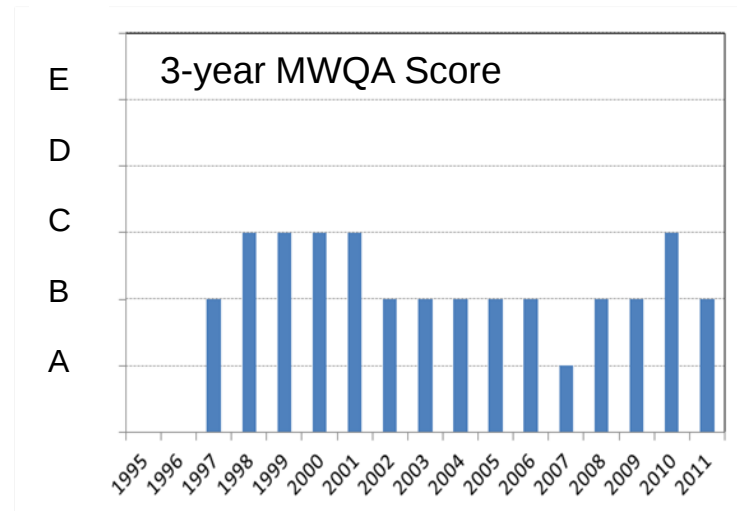
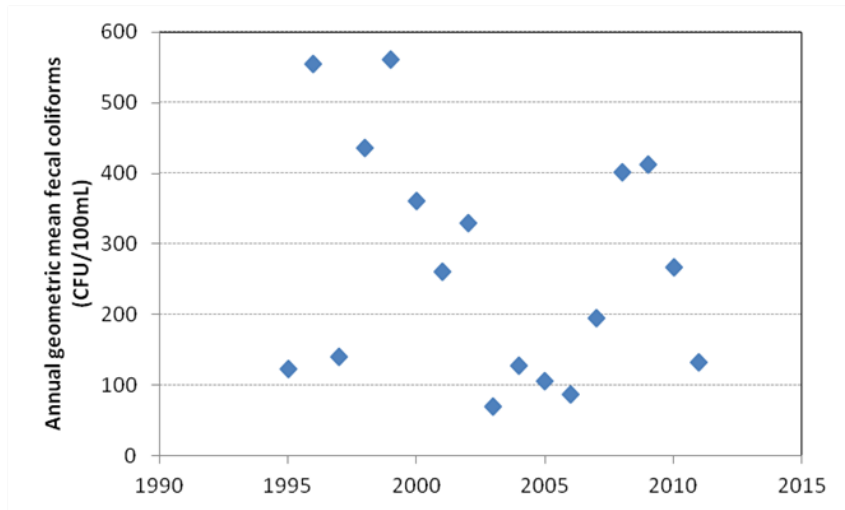
Potential BMAP issues

- Both WBIDs may be candidates for de-listing, based on TN, TP and Chl-a data
- SCI information also needed, to confirm biological integrity
- If not de-listed, BMAPs may wish to focus on tracking future WQ and biological integrity trends, and evaluating potential natural causes of DO observations <5.0 mg/L

WBIDs with fecal coliform impairments

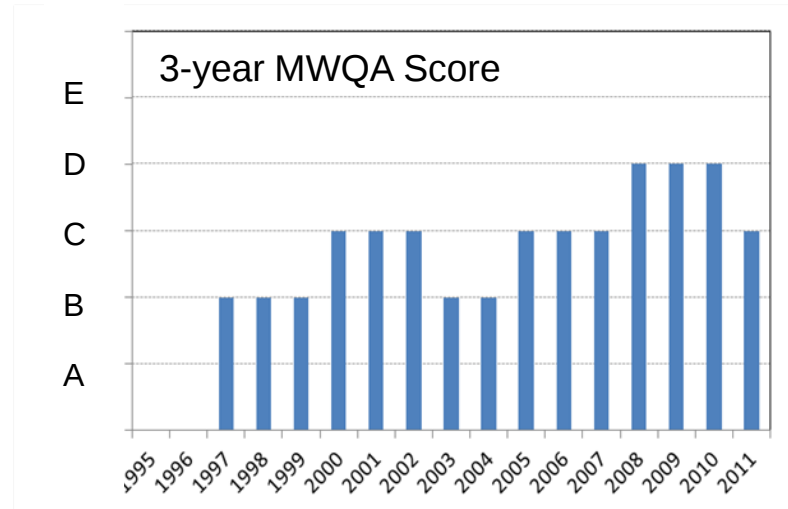
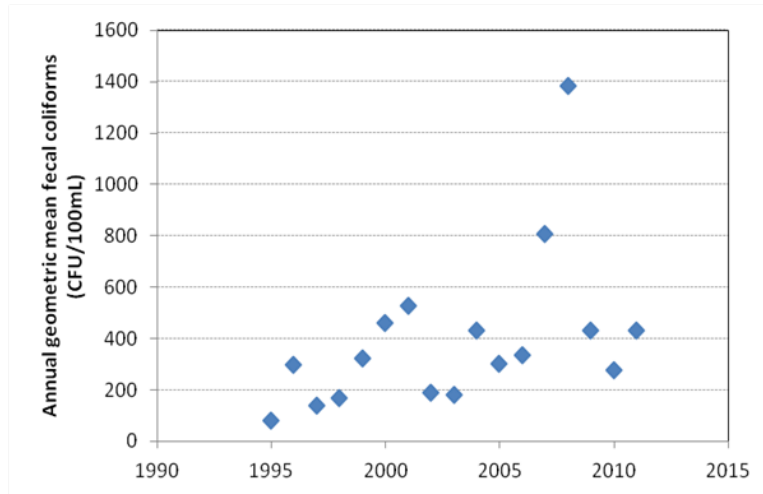
Rattlesnake Slough (WBID 1923)

Manatee County station TS1



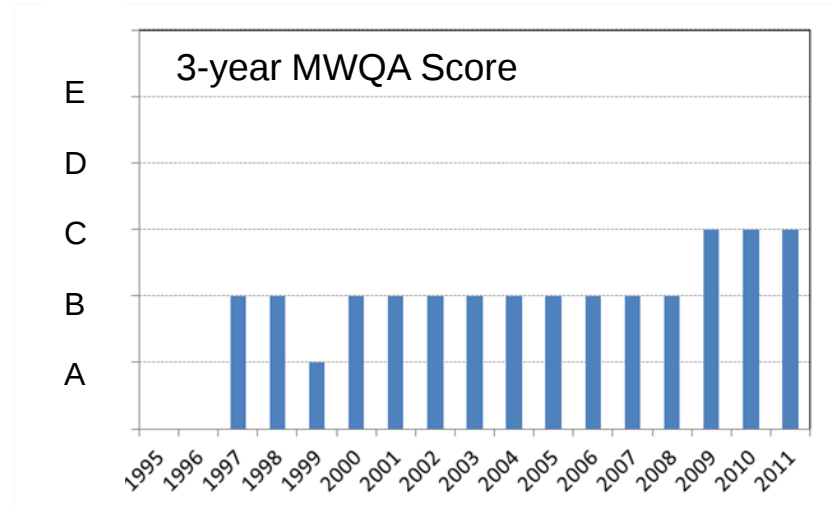
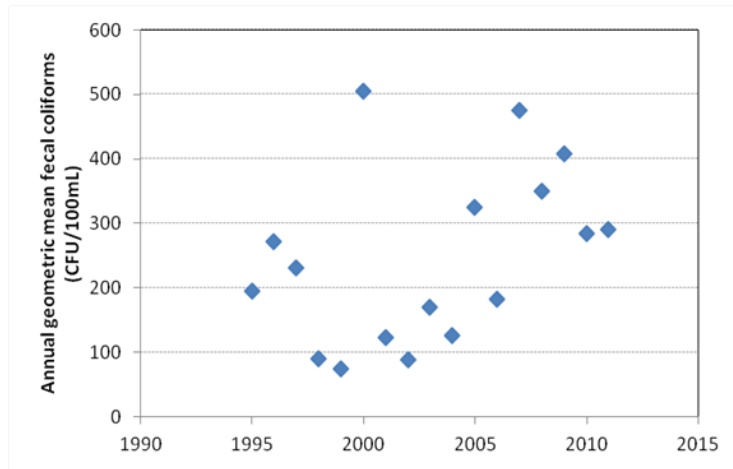
Cedar Creek (WBID 1926)

Manatee County station TS2



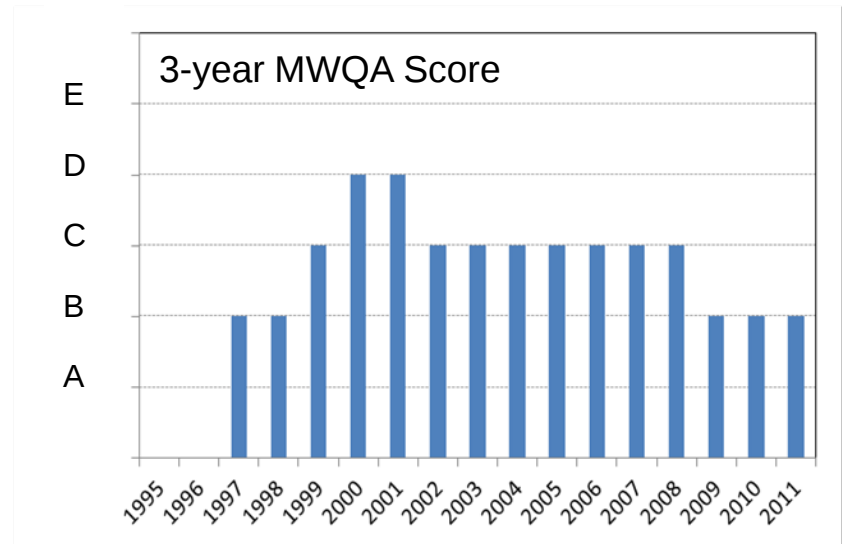
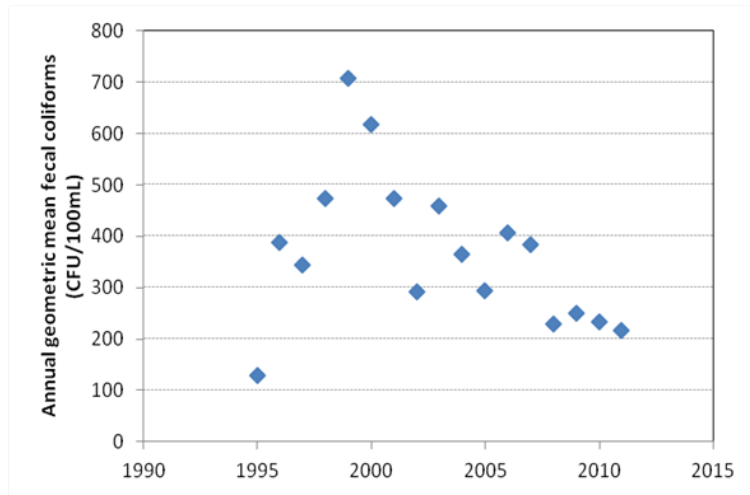
Nonsense Creek (WBID 1913)

Manatee County station TS7



Braden River above Evers Reservoir (WBID 1914)

Manatee County station TS6



Walk the Waterbody

Manatee County

Path Forward

- This doesn't mean DO NOTHING
- Continue to update existing NMC RA Plan projects
 - Database website = <http://apdb.tbepotech.org/>
 - Include Lat/longs or GIS information
 - Deadline = Oct. 19 for inclusion in TBEP RA update
- Add Fecal Projects - Source characterization
- Incorporate new activities in watershed (not just these WBIDs)
- Evaluate LOE for sufficiency
- FDEP will finish BMAP and send out for review