

Alafia River Basin BMAP Meeting

FDEP SW District

December 2011



WELCOME



Introductions

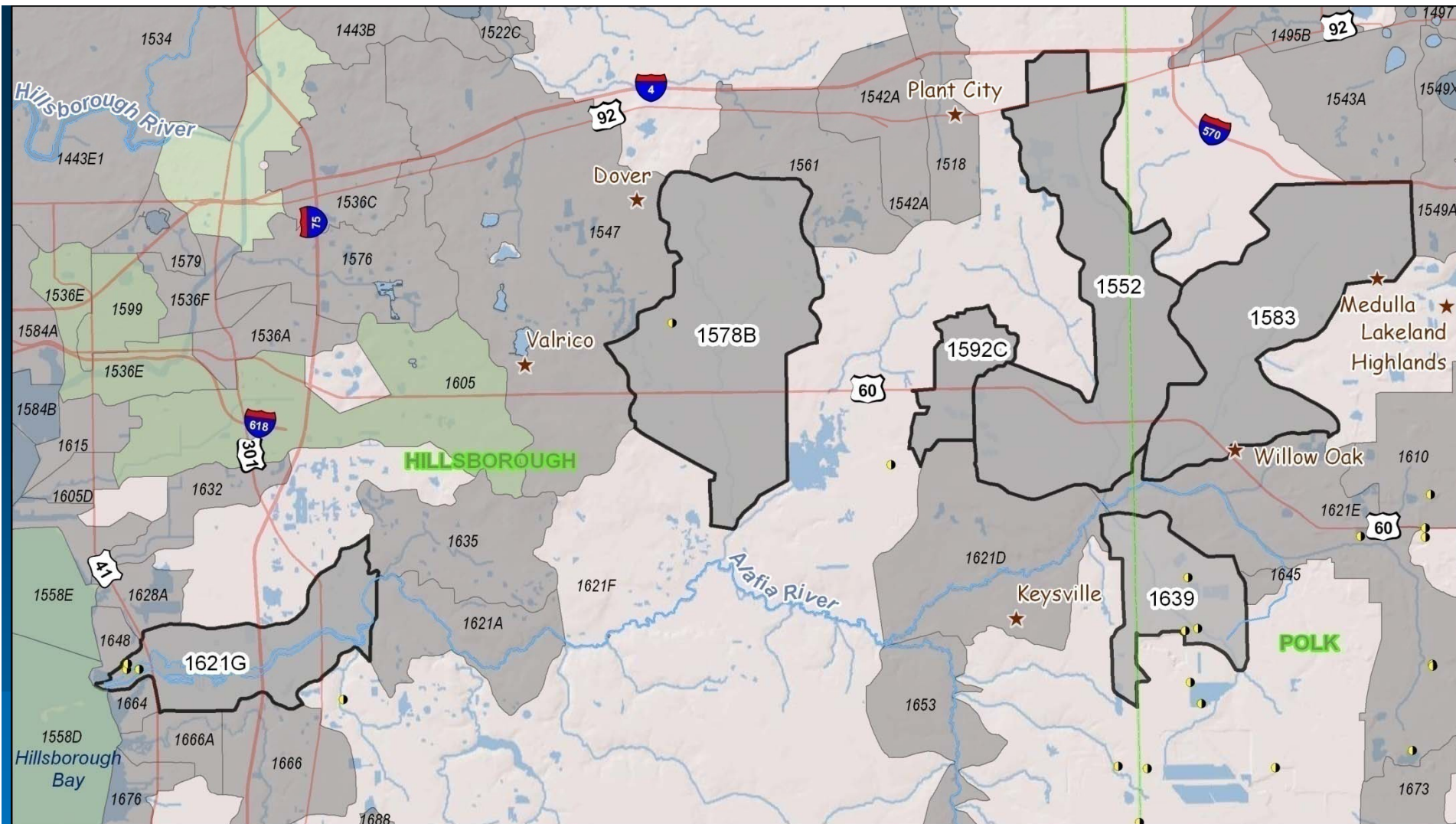
staff supporting the BMAP

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

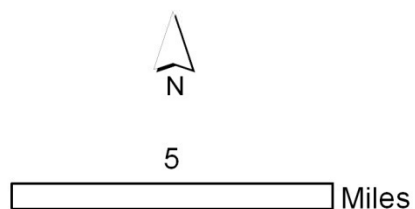


Alafia River Basin WBIDs

- WBID 1621G (tidal reach) – dissolved oxygen (DO) and nutrient impairments
- WBID 1578B (Turkey Creek) – Fecal coliform (FC) impairment
- WBID 1592C (Mustang Ranch Creek) – DO, nutrient and FC impairments
- WBID 1552 (English Creek) – FC impairment
- WBID 1639 (Thirty Mile Creek) – DO and nutrient impairments
- WBID 1583 (Poley Creek) – FC impairment



Alafia BMAP with Verified Impaired
and Delisted Run 43 WBIDs



-  NPDES Discharge Permits
-  Cities
-  Counties
-  Major Rivers
-  Interstate
-  Primary Highways
-  Alafia WBIDs
-  De-listed WBIDs
-  Verified Impaired WBIDs (run 43)

REVIEW

- June 2011
 - Sunshine Law / TMDL / BMAP
- July 2011
 - MS4 permits and TMDLs
 - Walk the Waterbody process
 - Decision matrix

• http://publicfiles.dep.state.fl.us/DEAR/BMAP/Tampa_Bay_Tributaries/BMAP_2011/

REVIEW

➤ August

- Decision Matrix Application to HRB
- Walk the Waterbody
- Review of NMC projects

➤ October

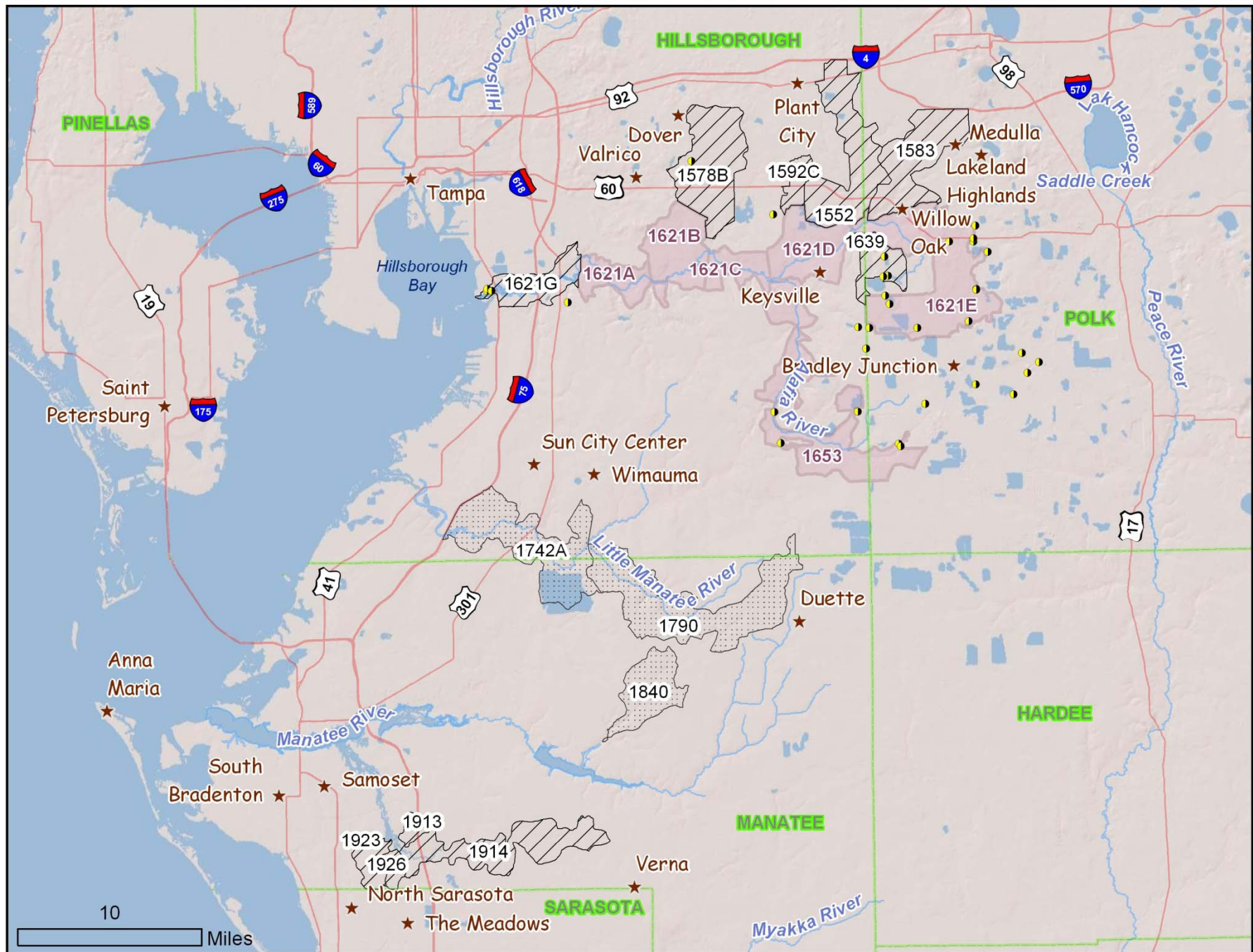
- Nutrients
 - Database Update
 - Project Update Process
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December 2011 meeting

- Nutrients
- Fecal WTW observations
- Database & Projects (Gerold)
- Project Update Process (Gerold)
- Last Meeting for a while
- Path forward

Nutrients in Alafia Basin

- FDEP studies on water quality and biology of WBIDS in Alafia
- Stream Condition Index (SCI)
- TN & TP values from the past 5 years appear to be protective of the Alafia River and the downstream receiving waters of Hillsborough Bay



TN & TP in Alafia Basin

WBID	TP (mg/l)	TN (mg/l)
1621A	1.17	1.8
1621B	1.17	1.8
1621C	1.17	1.8
1621D	2.24	1.73
1621E	3.45	1.64
1653	0.92	1.57

TMDL WBIDs

WBID	TP (mg/l)	TN (mg/l)	Impairment
1621G	NA	0.65	DONUT
1592C	0.415	1.73	DONUT
1639	NA	3.0	DONUT

TMDL WBIDs

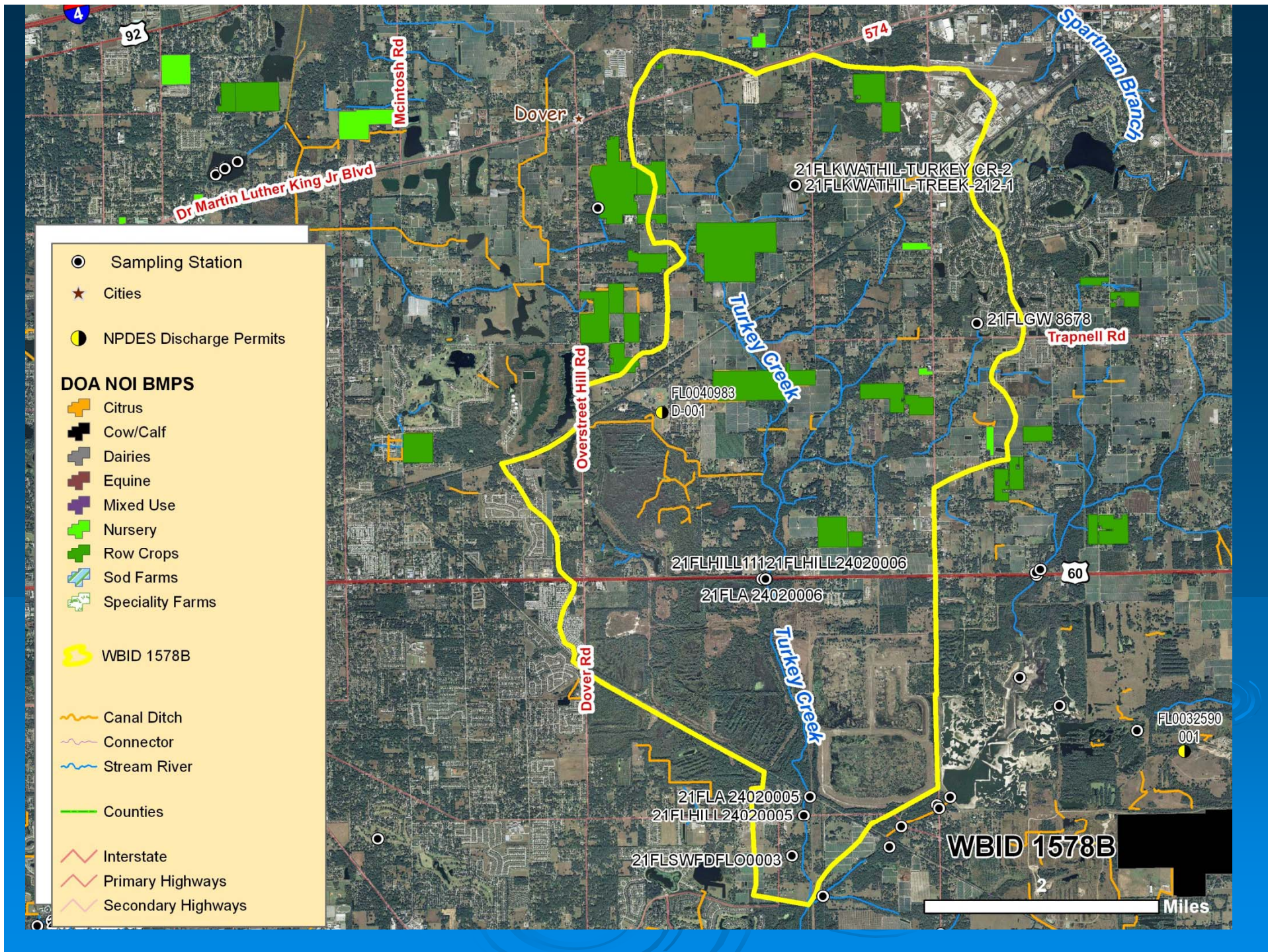
BMAP Phase 1

- WBID 1621G
 - TN 1.8 mg/l to 0.65 mg/l
- WBID 1592C
 - TP 2.24 mg/l to 0.415 mg/l
 - TN 1.73 mg/l
- WBID 1639
 - TN 3.0 mg/l

FECAL WTW

WBID 1578B Turkey Creek

- Somebody has to be in charge
- Planning
 - Maps, directions, permission
 - Right People for Job
- Coordination
- Solve problems as they occur
- CHARACTERIZE IMPAIRMENT

















BREAK



Database Update

Gerold Morrison



Path Forward

- This doesn't mean DO NOTHING
- Update existing NMC RA Plan projects
 - Lat/longs or GIS
- Add Fecal Projects - Source characterization
- Incorporate new activities in watershed (not just these WBIDs)
- Evaluate LOE for sufficiency
- Thank TBEP for getting to this point

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/