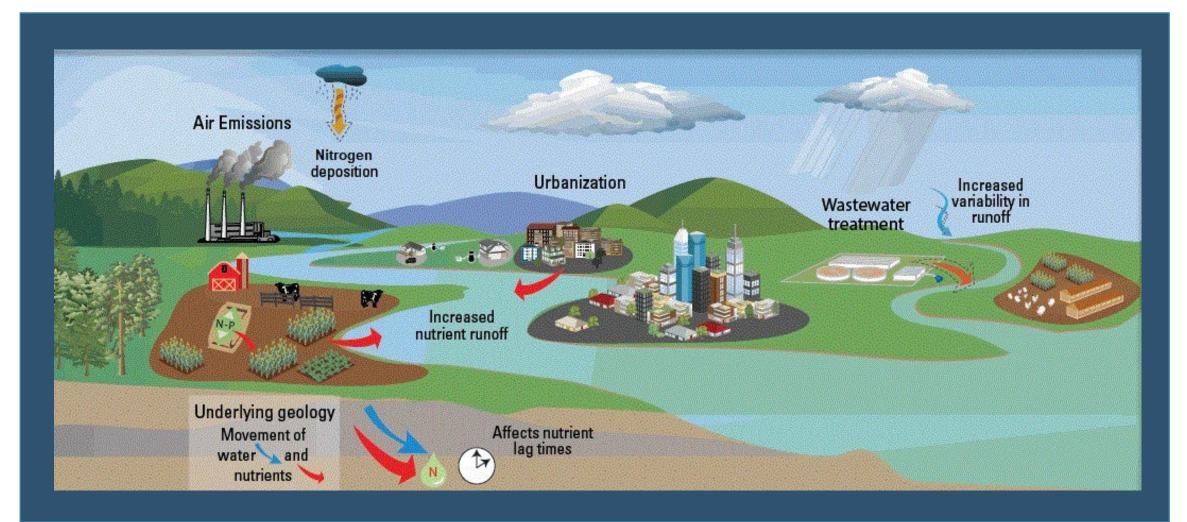
# ALLA DEPARTMENTAL PROTING

# Identifying Nutrient Sources in Basin Management Action Plans - Recap

Kimberly Shugar Director / Environmental Assessment and Restoration Diana Turner Environmental Administrator / Environmental Assessment and Restoration Florida Department of Environmental Protection Ft. Myers, Florida | June 20, 2023



# SOURCES OF NUTRIENTS





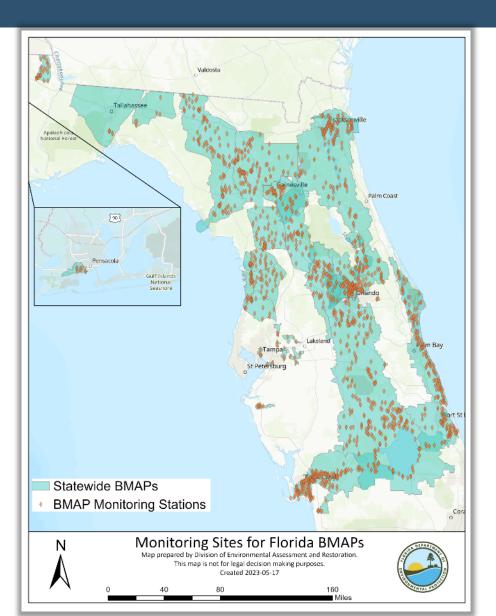
# WATER QUALITY ANALYSES / EVALUATIONS

### • Water quality monitoring.

- Surface and groundwater stations.
- Monitoring typically targets the watersheds of the target waterbody.

### • Water quality evaluation.

- Water quality trend analyses.
- Hot spot analysis.
- Groundwater well data evaluation.
  - To be completed for BMAP updates.

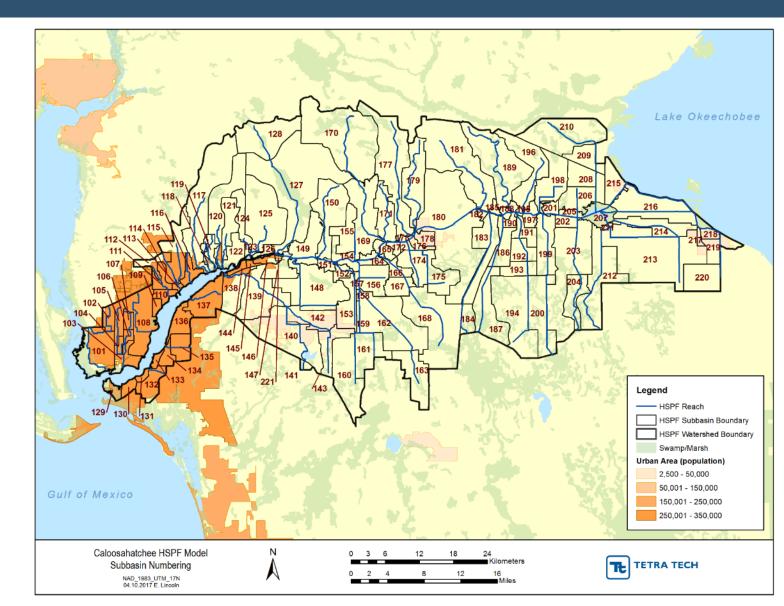




# IDENTIFYING NUTRIENT SOURCES EXAMPLE CALOOSAHATCHEE RIVER AND ESTUARY BMAP

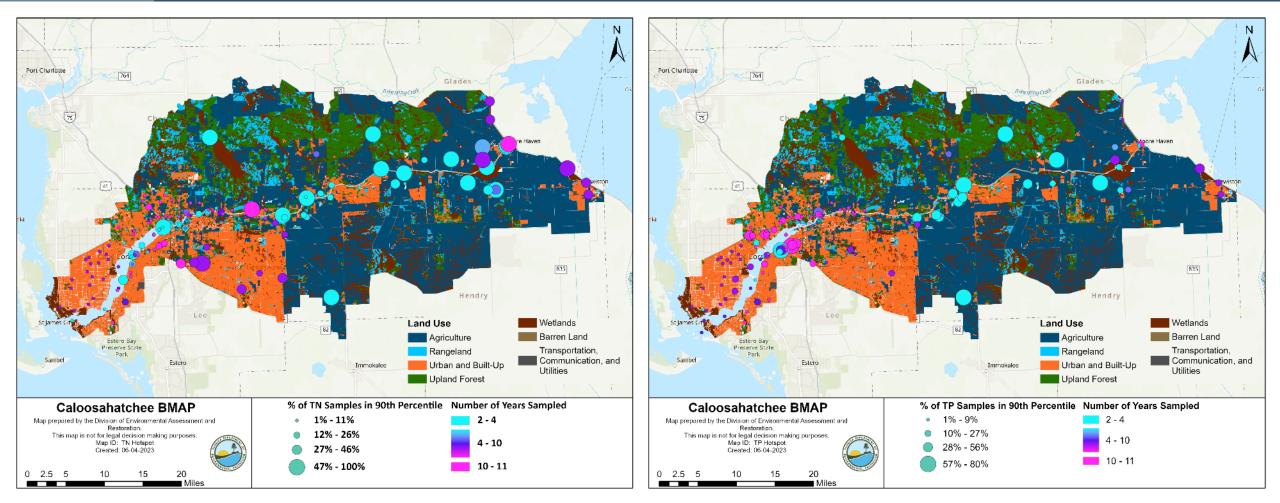
### Watershed Model:

- HSPF.
- Data Sources.
- Water Quality Monitoring:
  - Stations located throughout watershed.
  - In order to better refine source identification, expansion of monitoring network is needed.
- Water Quality Data Analyses:
  - Trend Analyses.
  - Hotspot Analysis.





## WATER QUALITY ANALYSES HOT SPOT ANALYSES



# THANK YOU

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Kimberly Shugar 850-245-7518 Kimberly.Shugar@FloridaDEP.gov

Diana Turner 850-245-8825 Diana.M.Turner@FloridaDEP.gov