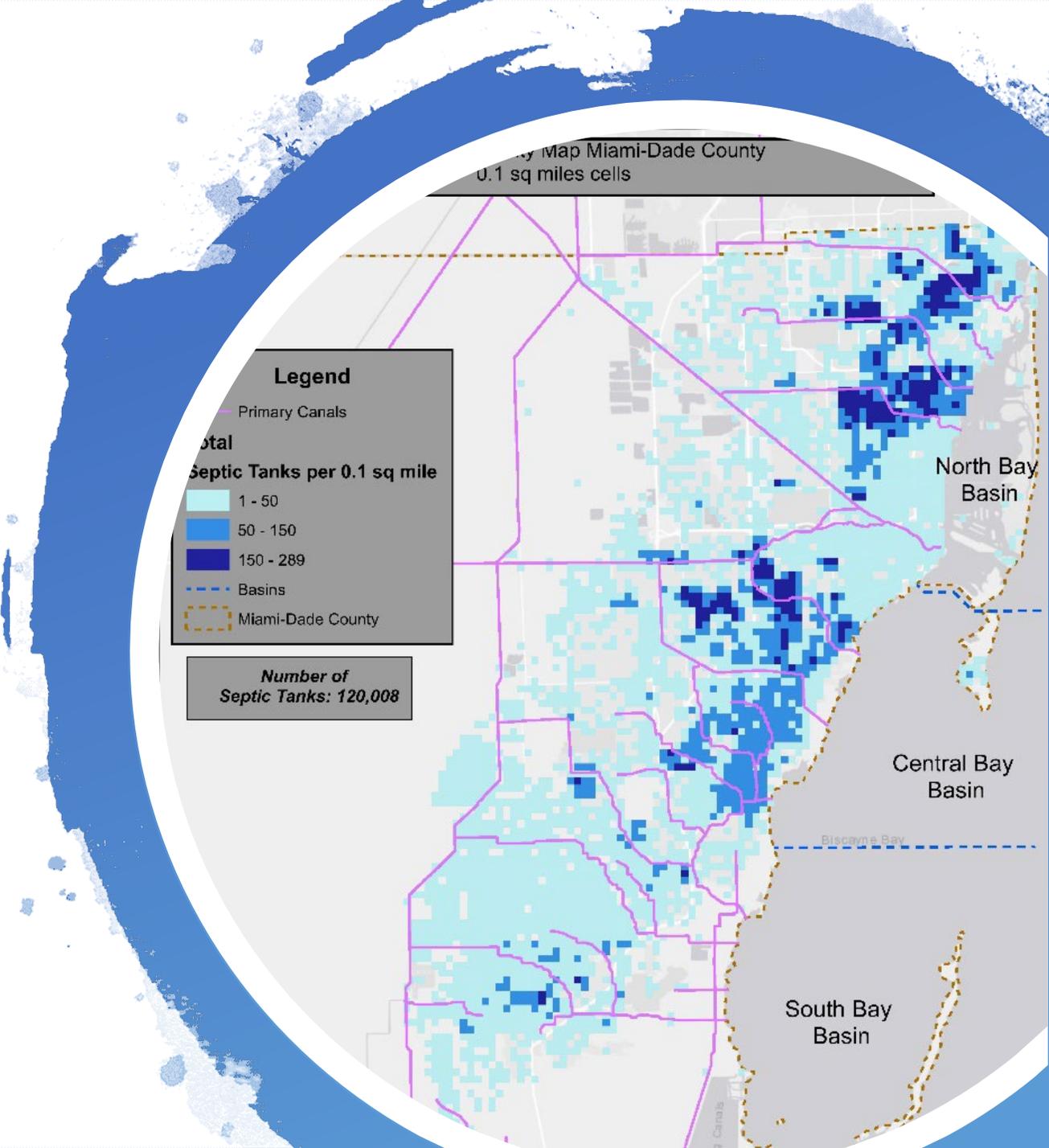


May 2021

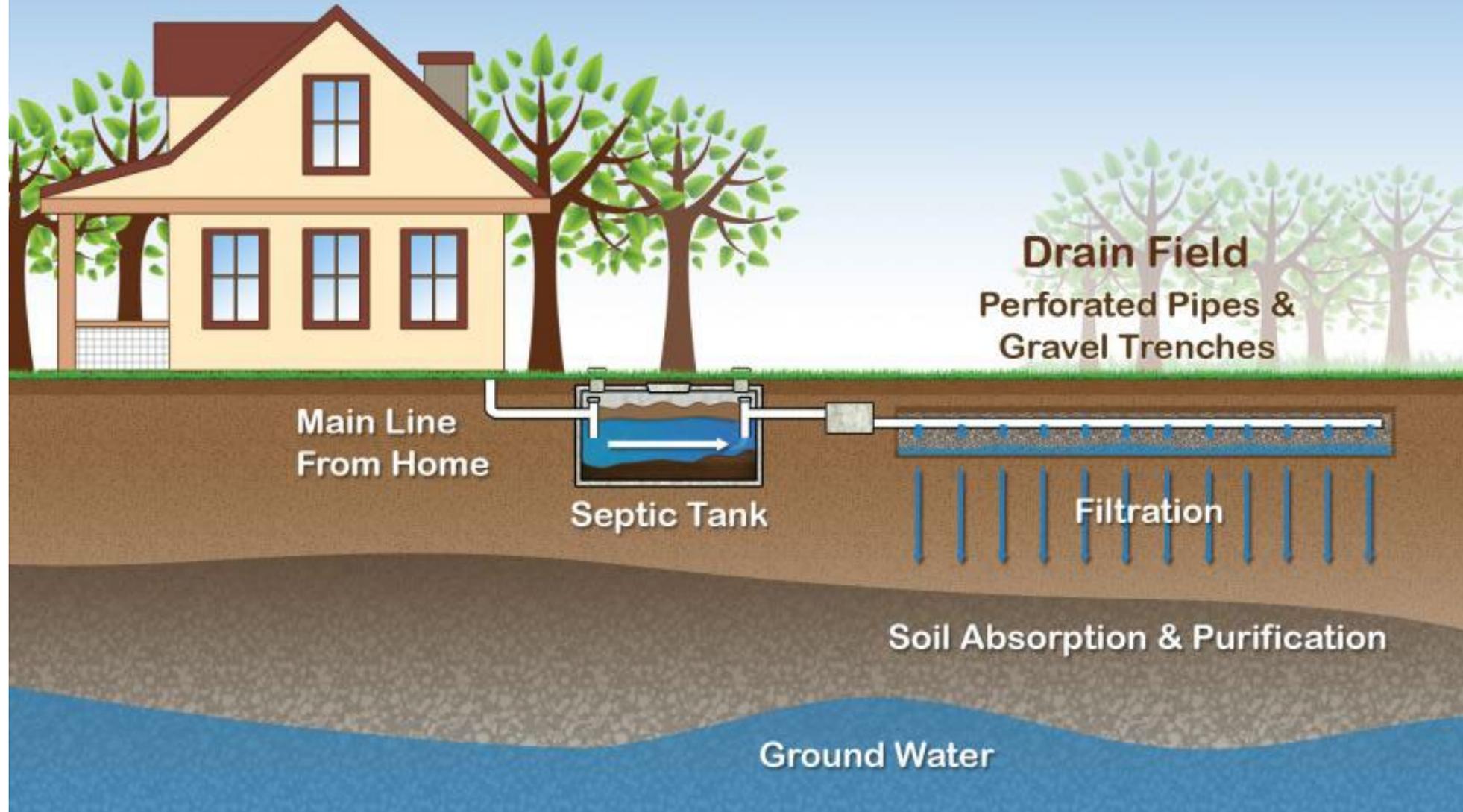
# Septic to Sewer



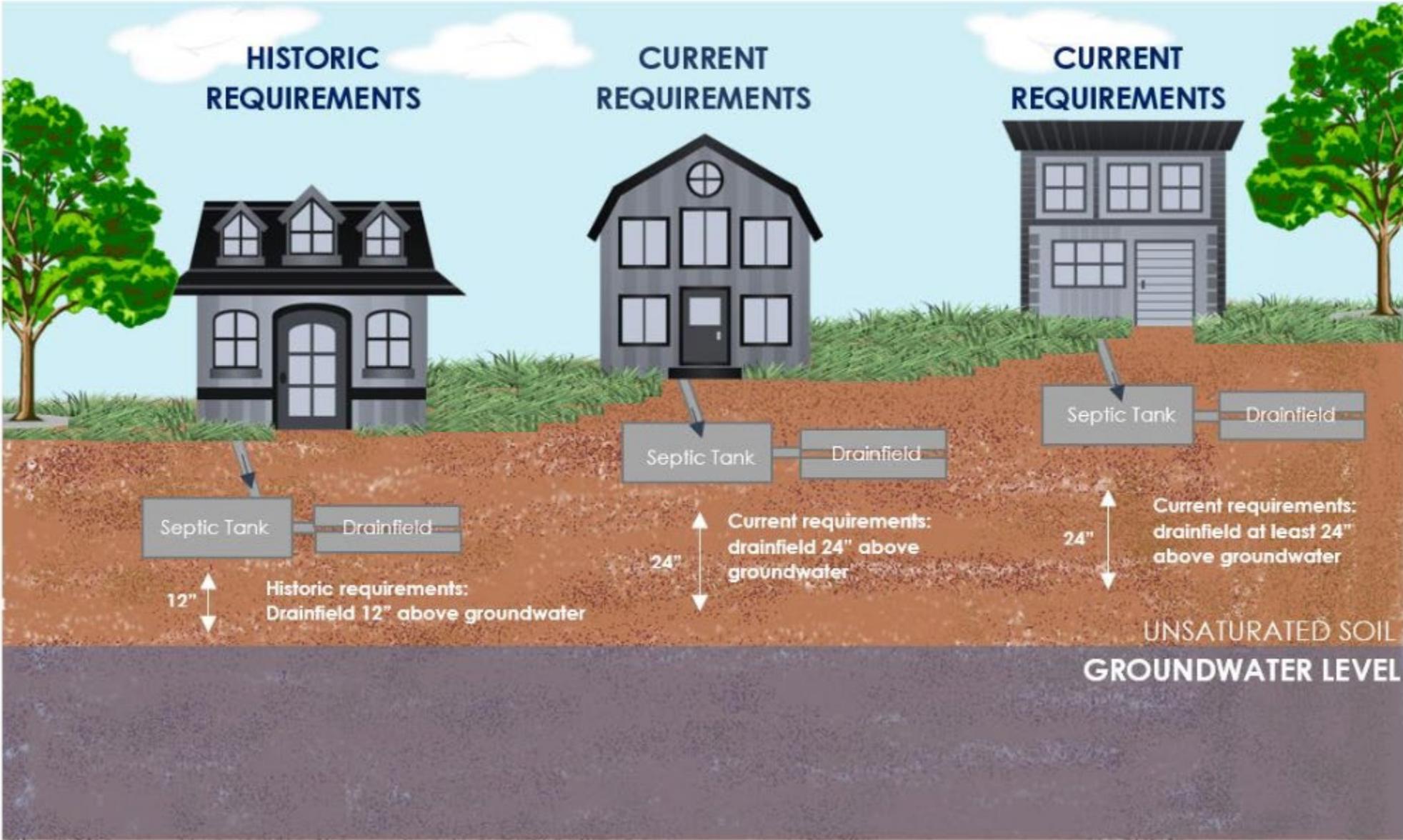
Debbie Griner, Resilience Manager,  
Miami-Dade Water & Sewer



# Conventional Septic System

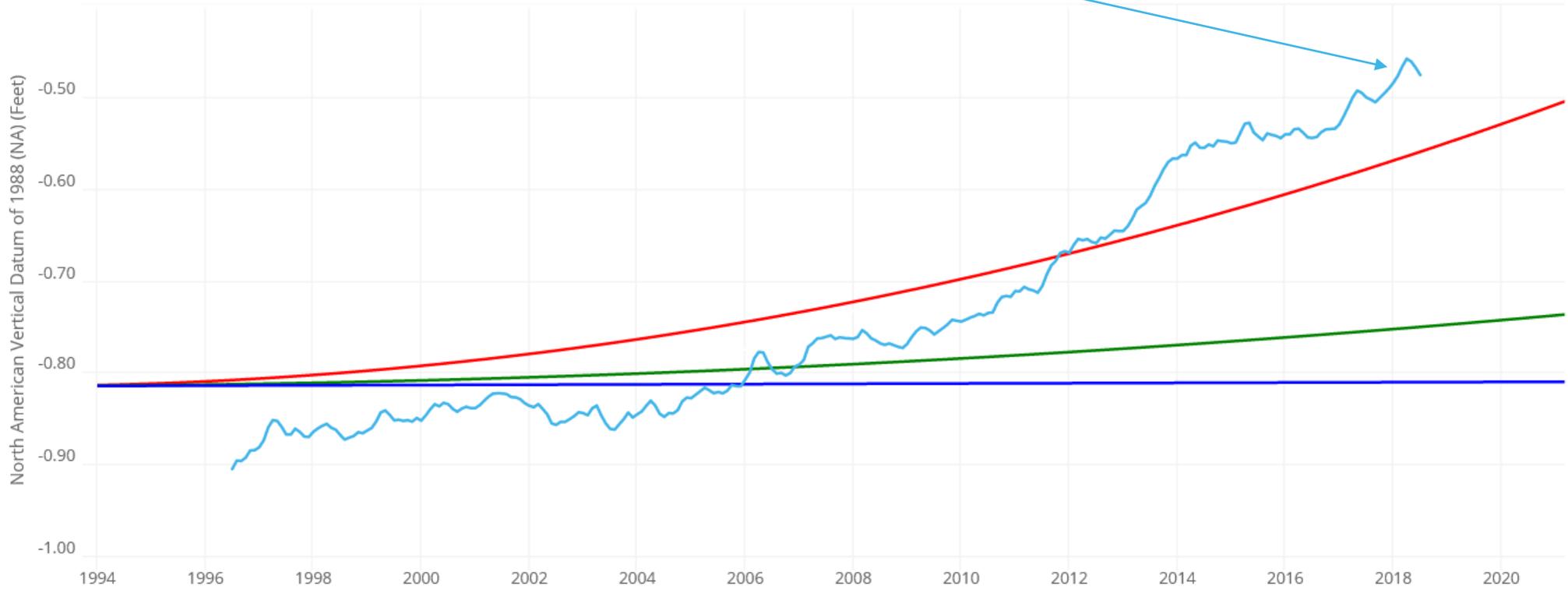


# Requirements were historically less stringent

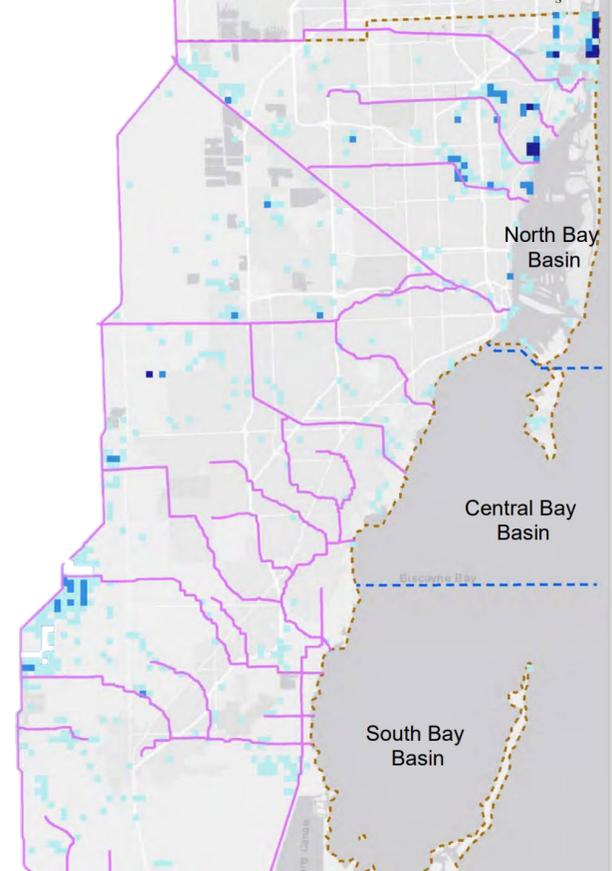
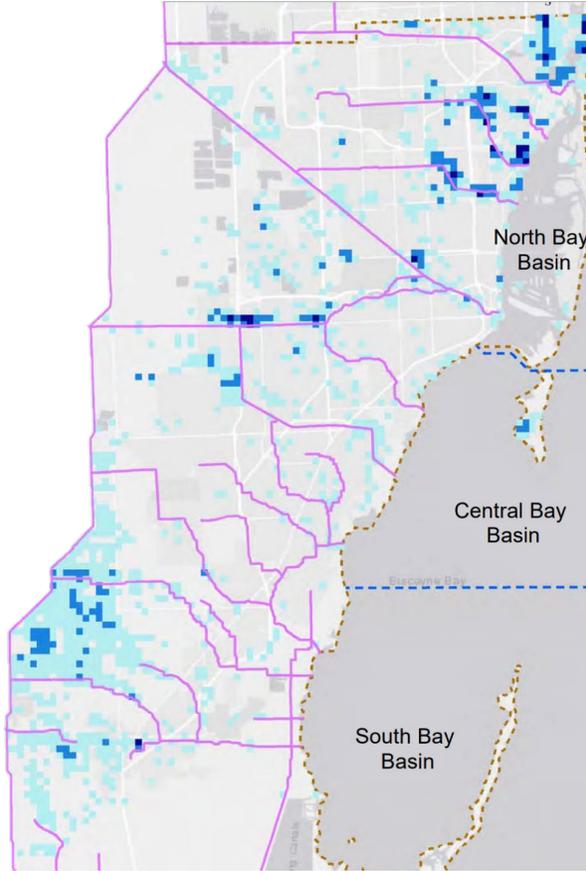
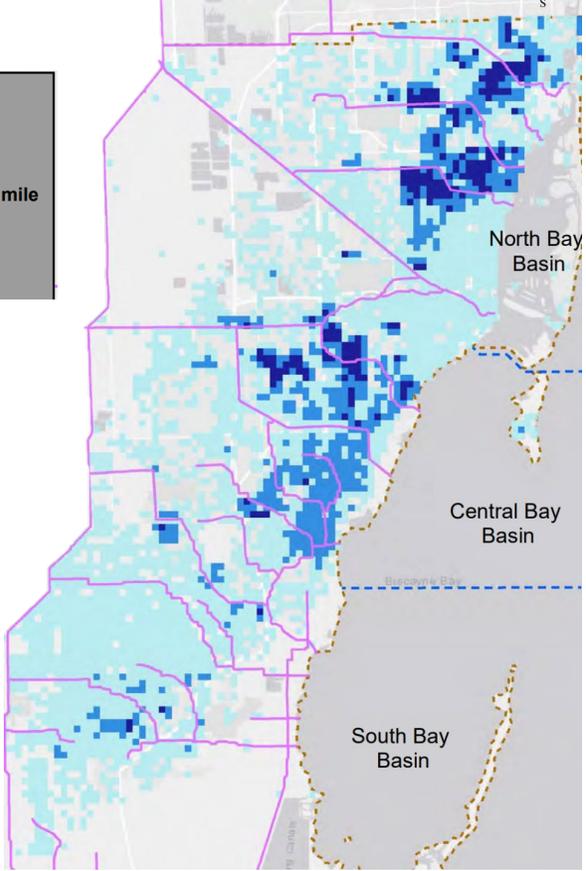
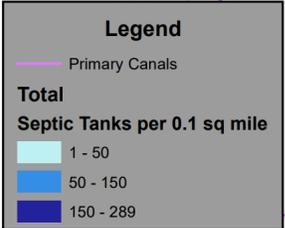


# Sea level has risen ~5 inches since 1994

From  To



USACE Sea Level Change Predictions for Virginia Key, FL (NOAA Tidal Gauge #8723214) for user selected datum: NAVD88. Timeframe: Jan, 1994 - Mar, 2021 (27 years, 3 months) Timeframe contains 2 missing points: the longest gap is 0 years, 1 months.



# Septic Systems

~120,000 Countywide

*Approximately 13% of County population served by septic systems*

# Compromised Septic Systems

Loss of purification

# Failing Septic Systems

Partially submerged system

2020: ~ 9,000  
2040: ~ 13,500

# Project of Regional Significance

- Septic to Sewer Conversions for parcels vulnerable to rising groundwater levels
  - Estimated 13,500 systems
  - Approximately \$700 Million

