Managing flooding amplified by sea level rise in Miami-Dade County

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Miami-Dade County
Lands Now Being Reclaimed
Richest Soil in the World.
Deep Muck, Big Crops, Year Around Season
Buy Now at Ground Floor Prices.
Realty Securities Corporation, Miami.
Florida’s limestone foundation

salt water seeps under sea wall through limestone
Current Conditions
Wet Season

Future Conditions
Wet Season

Lower soil storage capacity

Average groundwater

Future average groundwater

Storage capacity severely reduced; in some locations, unsaturated zone is eliminated
Septic Systems
~120,000 Countywide

Approximately 13% of County population served by septic systems

Compromised Septic Systems

Failing Septic Systems

Loss of purification

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

Partially submerged system
Thank you

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