

# Florida Keys Aqueduct Authority

## Water Matters



Presented To: Key West Sustainability Advisory Board  
Date: September 17, 2018  
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# Water Matters

## Today's Topics

- Cistern Rebate Program
- Turkey Point Update



# Cistern Rebates



# Cistern Rebates

**Up to \$500  
Rebate**

**Cistern  
Installations**

**Cistern  
Refurbishment**

**Septic to  
Cistern  
Conversions**





# Cistern Rebates

**58,444**

**Gallons of  
Storage**

**1.1 Million**

**Gallons  
Harvested/Year**





# FKAA Water Treatment Plant





# Turkey Point Update

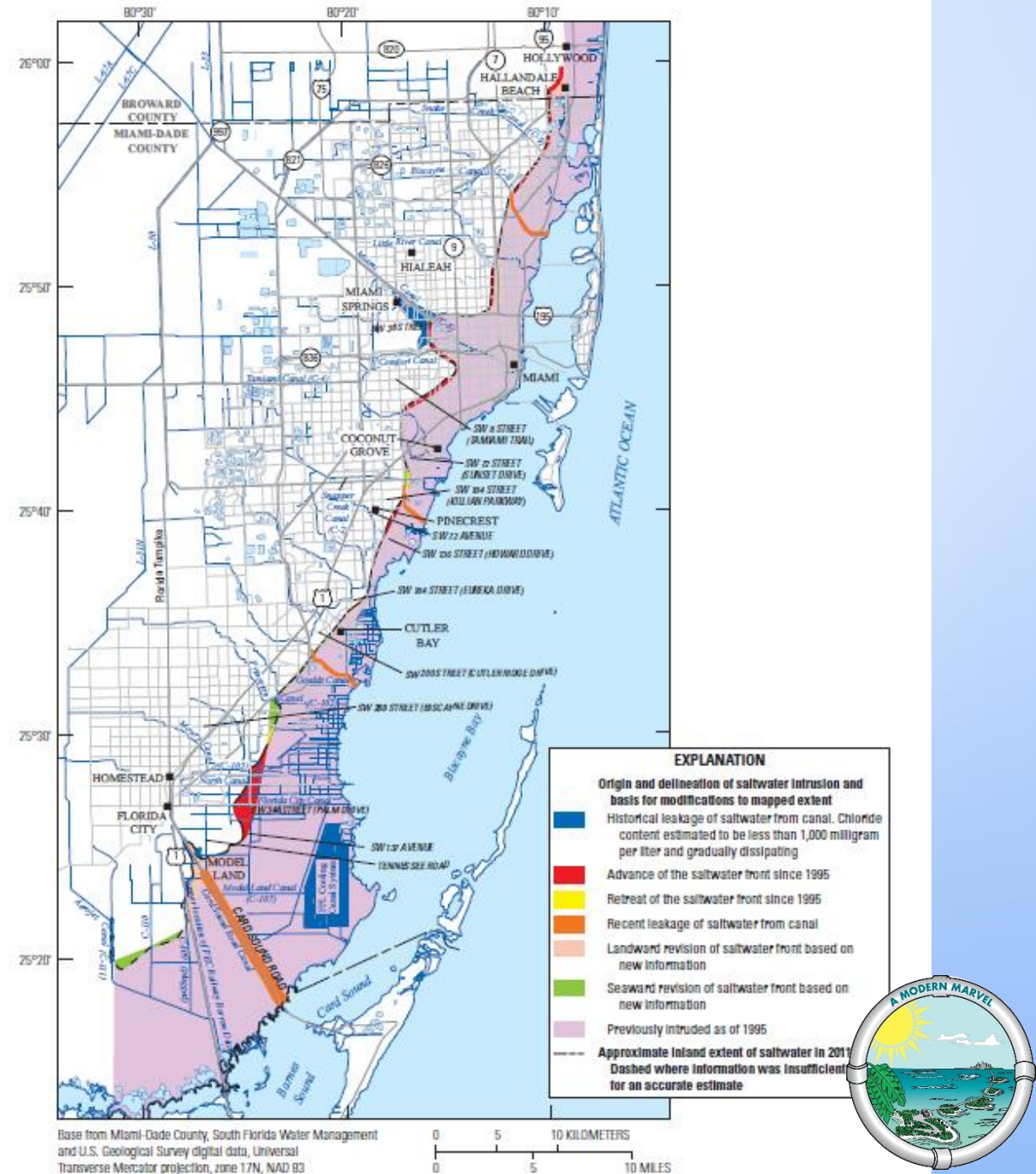






# Turkey Point Update

## Saltwater Front Changes Over Time



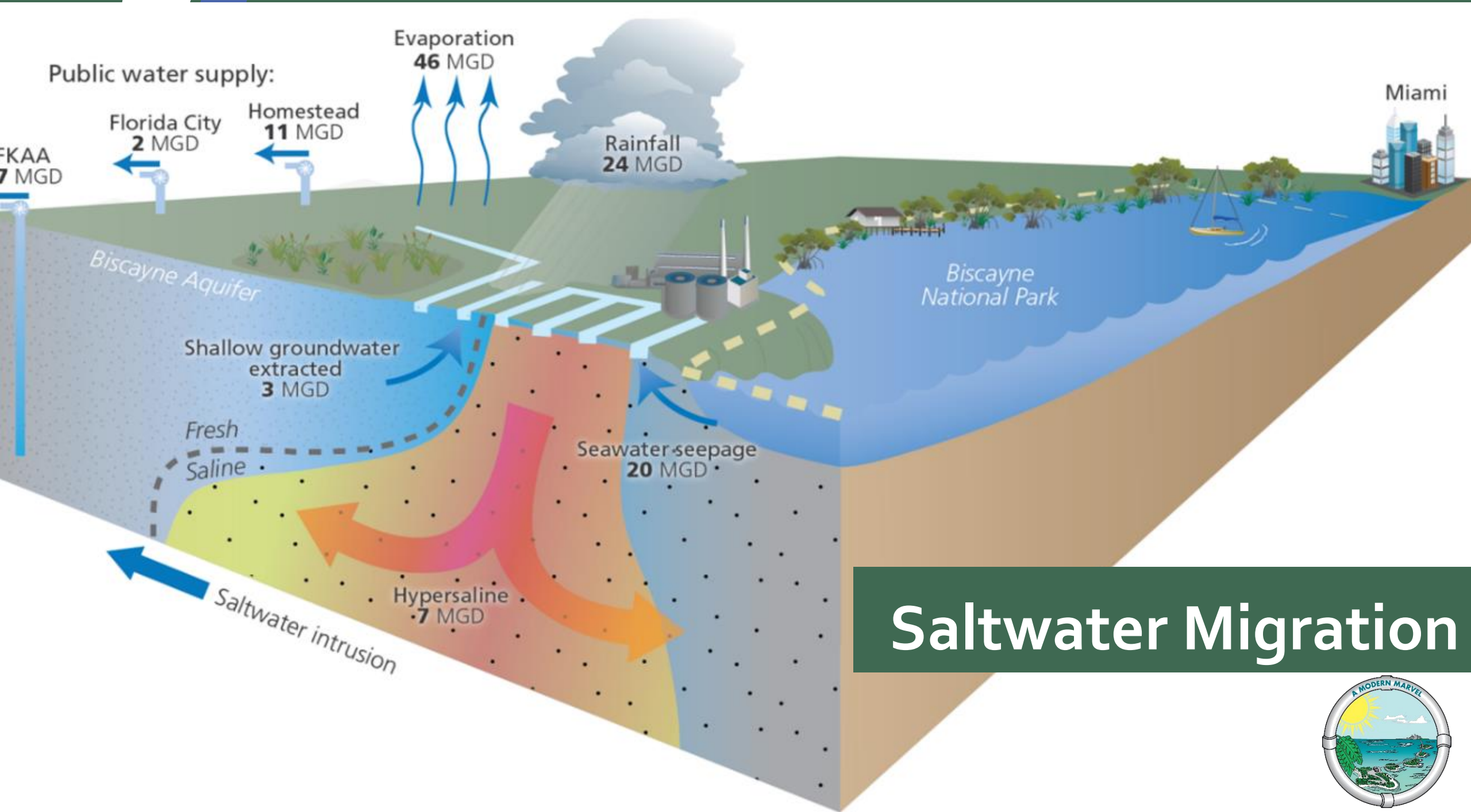
# Cooling Canal System (CCS)





**Tracer indicates that CCS  
is responsible for some  
saltwater intrusion**





# Saltwater Migration





# Enforcement Actions

- Miami Dade Consent Order
- DEP Consent Order



# Proposed Remediation

- Extract hypersaline water
- Inject into the Boulder Zone





# Next Steps

- Obtain and analyze data
- Determine next course of action



# Additional Issues

- Proposed facility expansion
- Proposed extension of CCS permits
- FDEP Permit Modification to lower elevations at freshwater structures.





# The Authority's Position

Filed a **Chapter 120 Challenge** to the FDEP permit modification

Remediation has **NOT** been determined to be effective at this time

The CCS Should be **DECOMMISSIONED** in favor of cooling towers

Extension or expansion permits should **NOT** be issued until the plume is retracted





# Questions?

