

Florida Keys Aqueduct Authority

Water Matters



Presented To: Key West Sustainability Advisory Board
Date: September 17, 2018
By: Julie Cheon

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

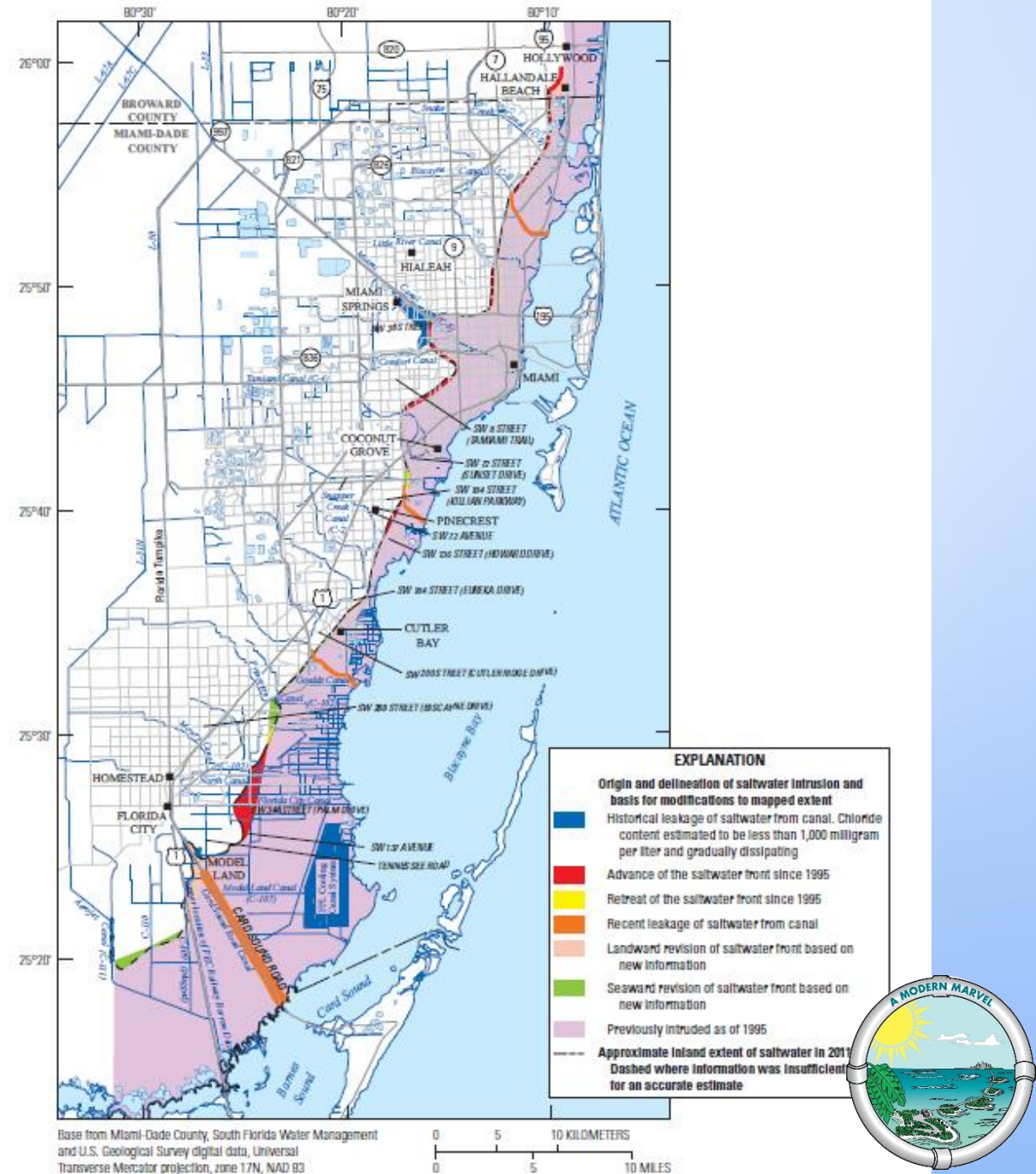


Turkey Point Update



Turkey Point Update

Saltwater Front Changes Over Time

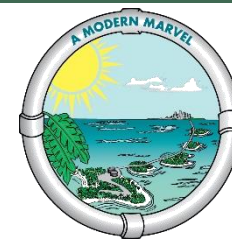
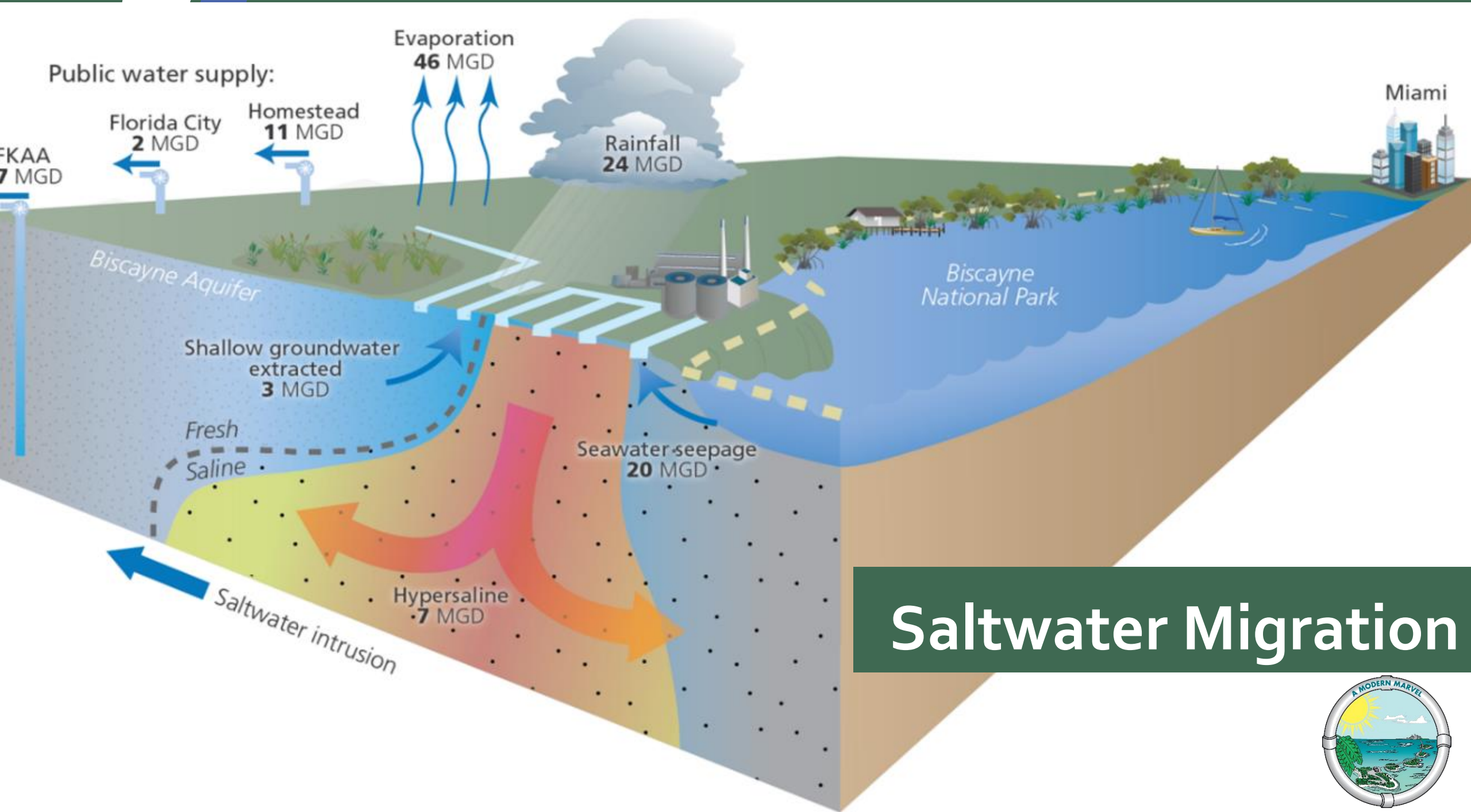


Cooling Canal System (CCS)



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





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?

