

# Water Supply Projects Updates

Chief Operations Officer, Mike Murphy, P.E.

Corpus Christi Water

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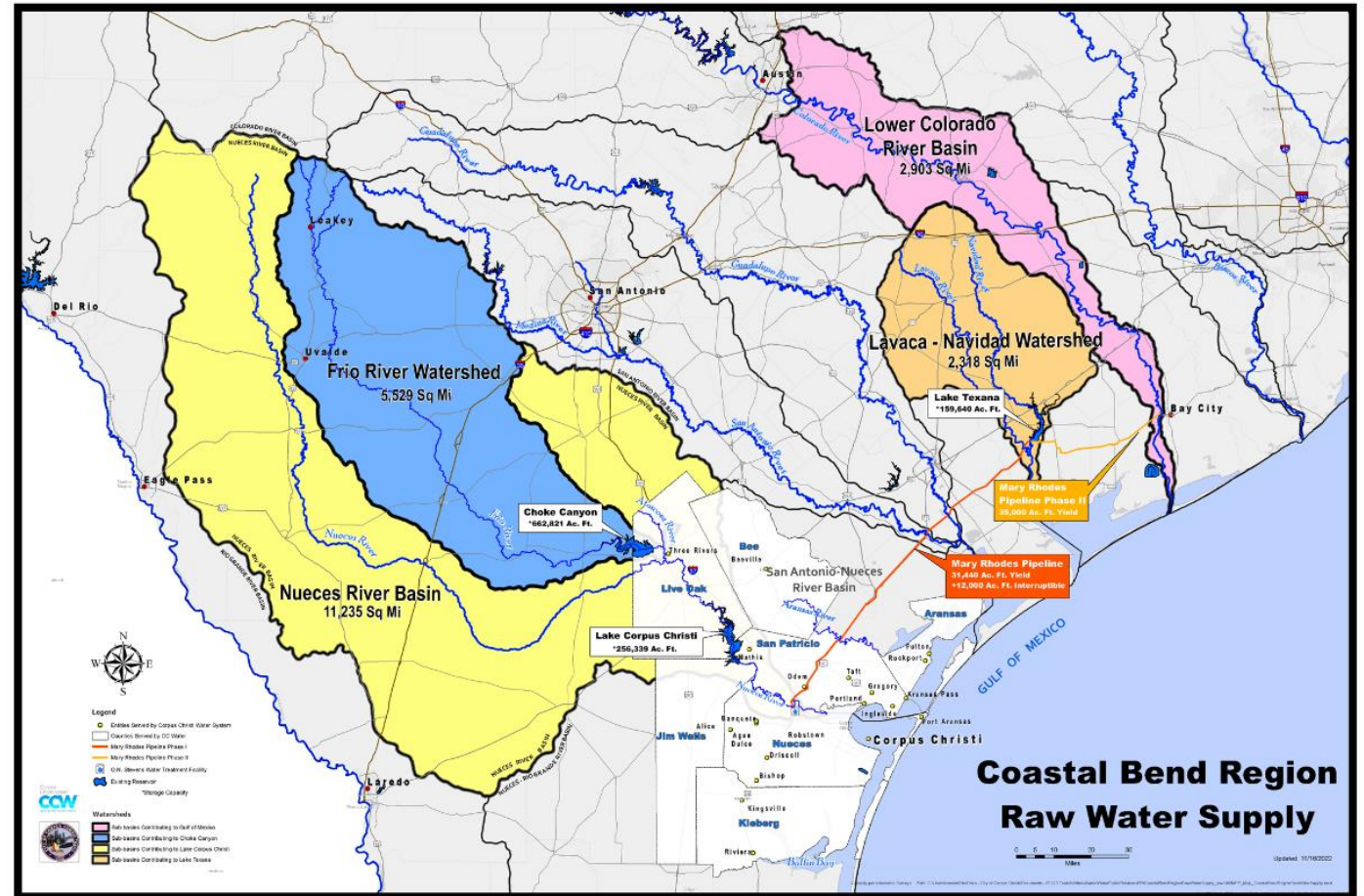
# Corpus Christi Water

- 1,800 miles of water lines
- 80 million gallons per day (MGD) produced on average last fiscal year
- 500,000 people across the Coastal Bend supplied with water
- Superior water system rating by Texas Commission on Environmental Quality



# Water Sources

- Lake Texana (Mary Rhodes Pipeline)
- Colorado River (Mary Rhodes Pipeline Phase II)
- Nueces River
  - Choke Canyon Reservoir (CCR)
  - Lake Corpus Christi (LCC)





# Conservation 365

- Successful spring rain barrel program
- Increased engagement in Xeriscape concepts and 'low-flow' appliances at community events
- Ongoing water conservation educational initiatives are underway
  - Fall pipe insulation program to launch in preparation for freezing weather events



# Water Supply Improvement Projects

## Mary Rhodes Pipeline Phase I

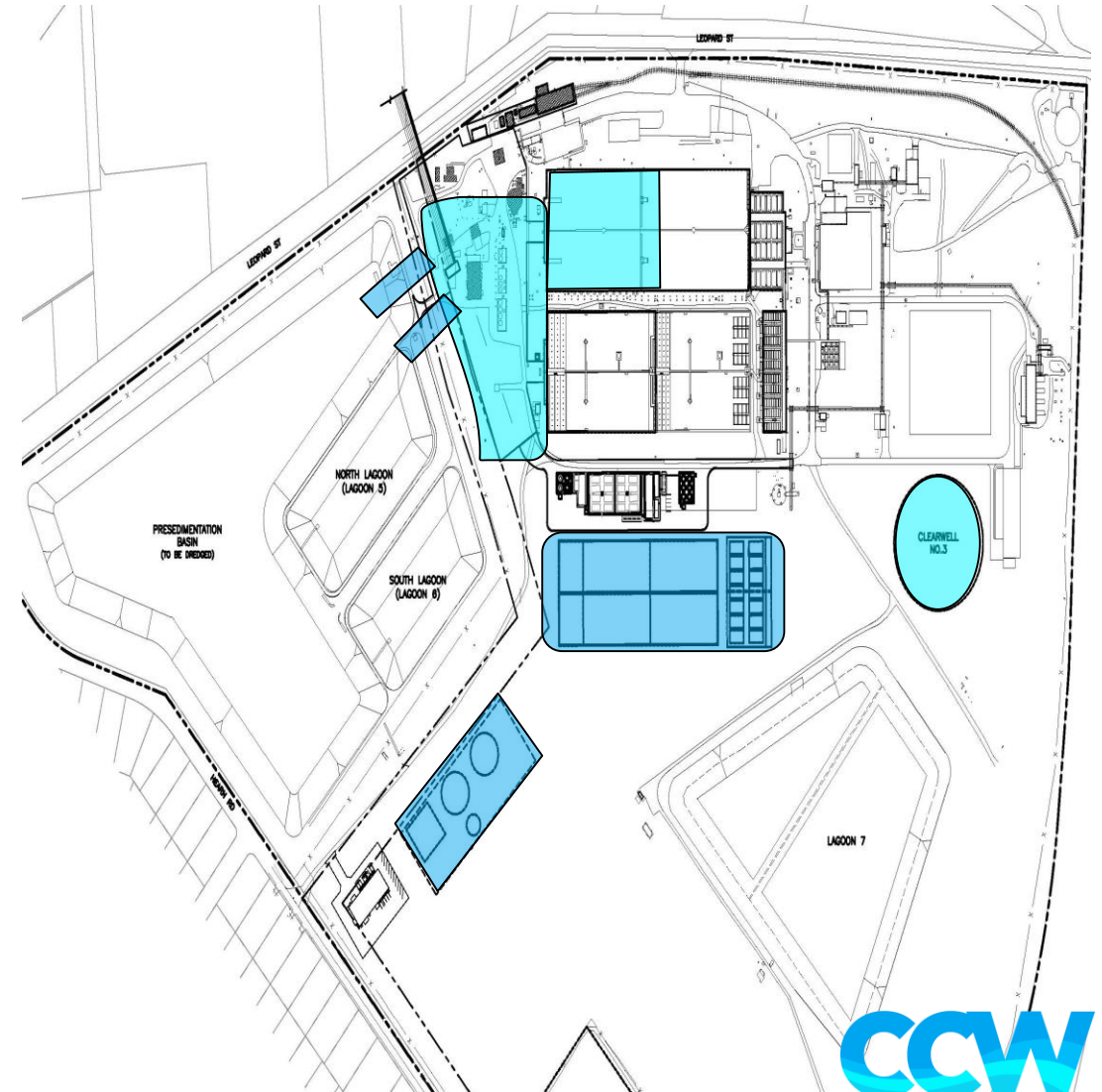
- Staff has outlined the 101-mile condition assessment scope of work

## O.N. Stevens Water Treatment Plant

- Several upgrades are underway to produce a safe and reliable treatment capacity (RTC) of 135 MGD
- Planned projects are in design to meet RTC of 160 MGD

 Upgrades

 Planned projects



# Diversified Water Portfolio Planning

Harbor Island Seawater Desalination Collaboration with Port Corpus Christi

- Include Pape Dawson Inc., for water integration

Evangeline Groundwater

- Continued meetings with HDR Inc., on hydrogeologic issues and water delivery

Barney Davis Seawater Desalination

- Review draft report from HDR Inc., desktop assessment

La Quinta Seawater Desalination

- Currently under review by TCEQ

Inner Harbor Seawater Desalination

- Intake permit (water right) granted in October 2022 by TCEQ



# Inner Harbor Proposed Facility

Artistic Renderings





# Inner Harbor Proposed Facility

Artistic Renderings





The top half of the slide features four horizontal, wavy stripes in various shades of blue, ranging from light cyan to a darker blue, set against a white background.

Thank you!

