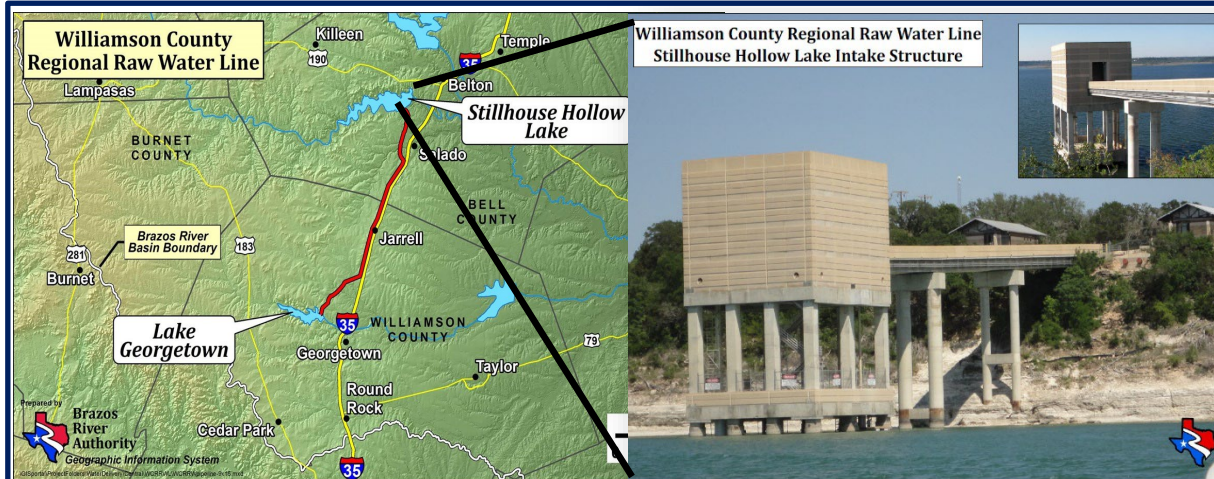
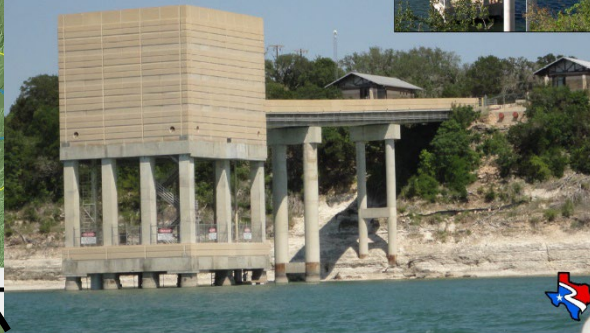




# WCRRWL Copper Ion Generator



Williamson County Regional Raw Water Line  
Stillhouse Hollow Lake Intake Structure



Zebra  
Mussels  
Non-BRA Facility



Example  
Copper Ion Generator

The Williamson County Regional Raw Water Line connects Stillhouse Hollow Lake and Lake Georgetown providing water supply to the City of Georgetown, the City of Round Rock and the Brushy Creek Municipal Utility District.

## The Project

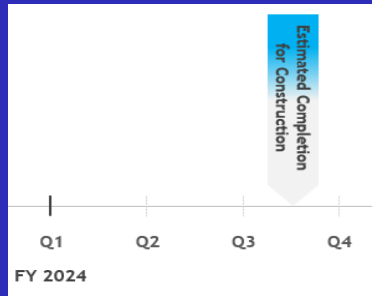
The purpose of this project is to design and install a copper ion generator at the Stillhouse Hollow Lake intake structure to control zebra mussels. Zebra Mussels are an invasive species that colonize and damage water supply equipment. Zebra Mussels were discovered in Stillhouse Hollow Lake and Lake Georgetown in 2016 and 2017, respectively. A 2019 study evaluated solutions to control zebra mussels for the Williamson County Regional Raw Water Line (WCRRWL) and its associated intake structure at Stillhouse Hollow Lake. The primary recommendation from that study is the installation of a copper ion generator to allow for dosing of a copper solution into the feed pipes at each of the intake screens. The increased copper concentration will inhibit veliger settlement on pump station components and destroy existing mussels. The project will protect this critical infrastructure; reduce maintenance labor and costs; and increase reliability of water transportation to meet customer needs.

## Current Project Status 3/1/2024

- Construction of the building that will house the copper ion generator equipment is on-going.
- Installation of the HVAC system, electrical equipment, and control equipment has begun.
- Construction is scheduled for completion in May 2024.

## Planned Schedule

Note: BRA Fiscal Year Runs Sept to Aug



## Budget Summary

FY 2024 Budget	\$1,846,000
FY 2024 Project Expenses (As of 1/31/2023)	\$142,450