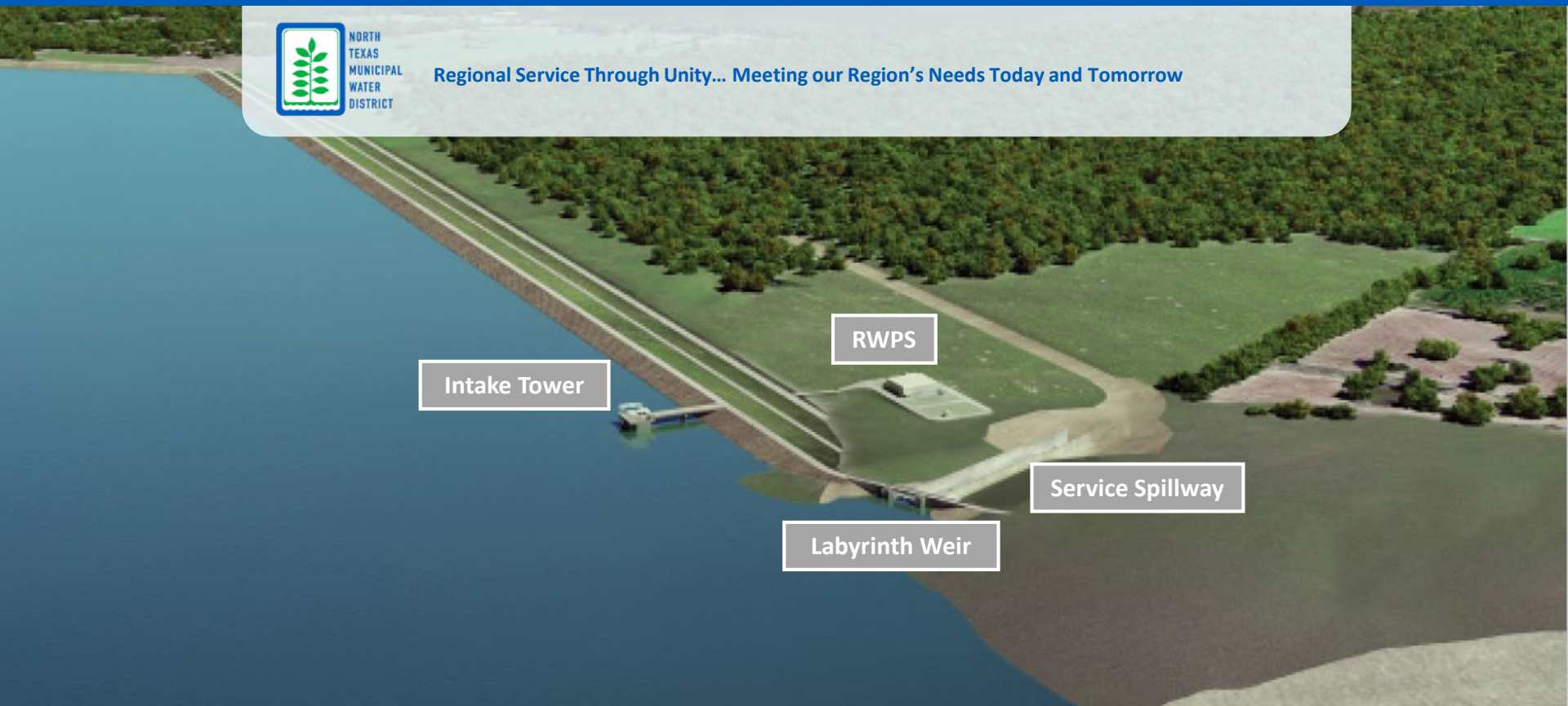




NORTH  
TEXAS  
MUNICIPAL  
WATER  
DISTRICT

Regional Service Through Unity... Meeting our Region's Needs Today and Tomorrow



## BOIS d'ARC LAKE UPDATE

**Fannin County Commissioners Court**

**October 13, 2020**

**Steve Long, P.E.**

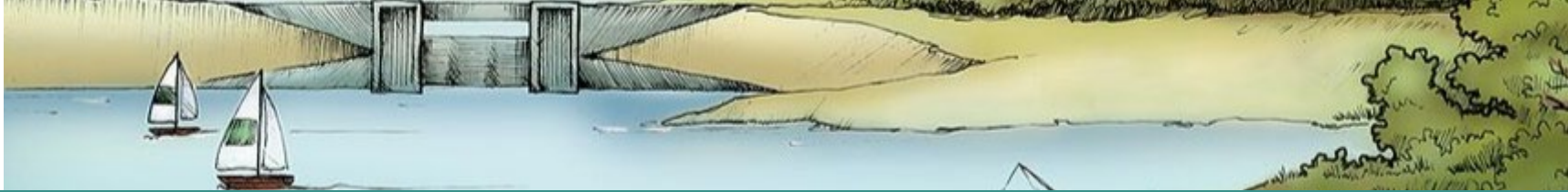
**Reservoir Project Manager**



# BOIS D'ARC LAKE UPDATE



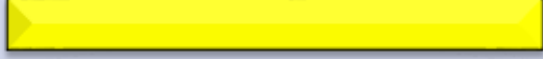





## Agenda




- Pre-impoundment Items Status
- Dam Construction Update
- Leonard Water Treatment Plant Update
- Raw Water Pipeline Construction Update



# BOIS D'ARC LAKE UPDATE

## Pre-Impoundment Checklist

Program Component	Pre-Impoundment Items Status
Archeology	
Boat Ramps	
Clearing	
Dam	
Program Coordination Items	
Raw Water Pipeline	
Roads	
Utility Coordination	

-  Critical Coordination Required – Little schedule float; Near Impact to Impoundment Date
-  Effort on Schedule
-  Complete – Ready for Impoundment



## BOIS D'ARC LAKE UPDATE

### CMAR 1 – Dam and Intake Structure

- Dam activities
  - **215,000** cubic yards of embankment
  - **725** cubic yards of concrete in Spillway and Intake Tower

### CMAR 1 – Construction Status

- Embankment, 4,100,000 cubic yards/**78%** complete
  - **950,000** cubic yards remaining to Elev. **553**
  - **650,000** cubic yards remaining to Elev. **538**
- Service Spillway Concrete **19,040** cubic yards/**98%** complete
- Intake Tower **9,300** cubic yards/**89%** complete (95 ft high; elev 549)
- Reservoir Clearing 3,920 acres/**90%** complete – **Final clearing underway**
- Soil cement placement – **8,150** cubic yards/**5%** complete



# BOIS D'ARC LAKE UPDATE

## Overall Dam Site





# BOIS D'ARC LAKE UPDATE

## Emergency Spillway (Looking North)





## BOIS D'ARC LAKE UPDATE

### Emergency Spillway – Looking East





## BOIS D'ARC LAKE UPDATE

### Intake Tower, Service Spillway, Raw Water Pump Station







## BOIS D'ARC LAKE UPDATE

### Dam Embankment (Looking northwest)





## BOIS D'ARC LAKE UPDATE

### Dam Embankment – Bois d'Arc Creek Notch





## BOIS D'ARC LAKE UPDATE

### Dam Embankment – Bois d'Arc Creek Notch





## BOIS D'ARC LAKE UPDATE

### Dam Embankment – Left end CR 2700



# BOIS D'ARC LAKE UPDATE

## Leonard Water Treatment Plant



# BOIS D'ARC LAKE UPDATE

## Leonard Water Treatment Plant – Plant Operations Bldg



# BOIS D'ARC LAKE UPDATE

## Leonard Water Treatment Plant – Water Supply Tank/Influent PS



# BOIS D'ARC LAKE UPDATE

## Leonard Water Treatment Plant – Pretreatment





## BOIS D'ARC LAKE UPDATE

# Leonard Water Treatment Plant – Ozone Building



## BOIS D'ARC LAKE UPDATE

# Leonard Water Treatment Plant – Filter Bldg/Reclaimed Tanks



# BOIS D'ARC LAKE UPDATE

## Leonard WTP – Clearwell & High Service Pump Station



# BOIS D'ARC LAKE UPDATE

## Leonard Water Treatment Plant – High Service PS



## BOIS D'ARC LAKE UPDATE

### Bois d'Arc Lake Raw Water Pipeline Section A (at the dam)

