



**BOIS
D'ARC
LAKE**

North Texas Municipal Water District Fact Sheet

Bois d'Arc Lake

FAST FACTS:

16,641

**SURFACE ACRES,
OR APPROXIMATELY
26 square
miles**

**FIRM YIELD OF
108 MILLION
GALLONS PER DAY**

**ESTIMATED COST OF
\$1.6 BILLION**

**BOOST TO
LOCAL ECONOMY
& RECREATIONAL
OPPORTUNITIES**

**OWNED
AND OPERATED BY**



**NORTH
TEXAS
MUNICIPAL
WATER
DISTRICT**

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Water District

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Bois d'Arc Lake is the first major reservoir to be built in Texas in nearly 30 years. After 15 years of planning and permitting, construction began in May of 2018. The lake, located northeast of Bonham in Fannin County, will provide the water needed to serve a growing population of 1.7 million North Texans. The reservoir's two-mile-long and 90-foot-tall dam will create a lake capable of storing 367,609 acre-feet of water (120 billion gallons). Water delivery is scheduled to begin in 2022. This additional storage will help ensure crucial water supplies for the future of our growing region.



Beyond the Lake: Related Project Components

Providing clean water to a rapidly growing region requires more than just building a reservoir. It takes numerous components to collect, treat and deliver water including:

- A raw water pump station
- 35 miles of untreated water pipeline
- Water treatment plant in Leonard
- 25 miles of treated water pipeline
- Roadway and bridge improvements
- Environmental mitigation on more than 17,000 acres
- Lake Operations Center, maintenance facilities and recreational boat ramps

**North Texas Municipal
Water District**

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www.BoisdArcLake.org



**NORTH
TEXAS
MUNICIPAL
WATER
DISTRICT**

March 2019



Bois d'Arc Lake

From Lake to Tap



DAM AND INTAKE STRUCTURE
A 90-foot-tall, two-mile-long dam will collect water in the reservoir before the Lake's 110-foot-tall intake tower transfers it to the raw water pump station.



BOIS d'ARC LAKE
Bois d'Arc Creek, Honey Grove Creek and the remaining Bois d'Arc Lake watershed will fill Bois d'Arc Lake 22 feet deep (on average) with 367,609 acre-feet of water.



RAW WATER PIPELINE
The raw (or untreated) lake water will travel 35 miles in a 90-inch pipe to a 210-million-gallon (70-acre) storage reservoir at a new water treatment plant in Leonard.



RAW WATER PUMPING STATION
The water pump station will house nine pumps in a building roughly the size of a football field with the ability to move up to 236 million gallons of water each day.



WATER TREATMENT PLANT
The Leonard Water Treatment Plant will initially clean up to 70 million gallons of water each day.

MEMBER AND CUSTOMER CITIES
The water will be distributed through the NTMWD regional water system to member and customer communities across 2,200 square miles.



TREATED WATER PIPELINE
The clean water will travel approximately 25 miles through a new 84-inch pipe that will be added to the existing regional system.



January 2019

Project Cost

Planning, permitting, designing, purchasing land and constructing all of these components requires an investment of \$1.6 billion. To date, the Texas Water Development Board has approved \$1.477 billion for the project through the State Water Implementation Fund for Texas (SWIFT) program, which is anticipated to save NTMWD and its cities over \$230 million. The project's cost will be shared by up to 80 communities who contract with the District for water service.

Water For Our Future

As North Texas' population grows, so does its demand for water. NTMWD's service area population is expected to nearly double by 2050. While the District has been a leader in the state at promoting water conservation, its 80 communities are growing at a rate that their needs cannot be met by conservation and reuse alone. For this reason, the Bois d'Arc Lake project is key to our region's continued vitality. It will provide water for generations and continue to support the growing economies of the communities we serve.

Benefits for the Region

Not only will the Bois d'Arc Lake meet the water needs of up to 80 North Texas communities, it will also offer numerous recreation opportunities and significant economic benefits.*

Projected Economic Benefits:

Increasing economic activity in Fannin County by at least \$509 million and the entire region by \$682 million over the construction period.

Boosting recreation and industry-related activity in Fannin County by \$166 million each year after construction.

Creating more than 2,400 new jobs in the Fannin County area.

Spending by new residents will increase economic activity in Fannin County by \$81 million annually.

Supporting the construction of 3,200 new homes over the next 30 years.

Recreational Amenities:

Fishing

Boating

Nature viewing

Picnic areas

*Based on 2015 updated independent analysis by Clower, T. & Weinstein, B.