

February 2021

MONTHLY PROGRESS REPORT



BOIS
D'ARC
LAKE

Bois d'Arc Lake is located northeast of Bonham in Fannin County. Project construction began on the 16,641-acre reservoir in May 2018. The lake and other projects will be able to initially treat and deliver up to 70 million gallons of water daily starting in 2022. This report provides a monthly recap of construction progress and accomplishments.

Project Overview

Dam and Reservoir

Construction includes the preparation and building of a two-mile long dam embankment, service spillway and raw water intake.

- Crews have 80,000 more cubic yards of fill to place on the dam and completion of several steps of soil cement on the upstream face of the dam before the reservoir is ready to hold and release water.
- Crews are wrapping up the last of their work on the spillway and continuing to build the intake structure's electrical and storage building and access bridge.

FM 897 and County Roads

Around 11 miles of county and state roads and bridges in Fannin County were improved or constructed.

- FM 897 and all county roads are now open to traffic.

Mitigation

Improvements are being made to more than 17,000 acres to mitigate for loss of habitat and impacts to local streams from construction of the lake.

- Workers have started planting trees again, this time at the upper Bois d'Arc Creek mitigation area.

Leonard Water Treatment Plant

Construction includes a storage reservoir and five-step water treatment plant.

- Crews are installing mechanical equipment, process piping and tanks in facilities across the site.
- Installation of the power poles from the substation to the plant site is underway.

Raw Water Pump Station and Pipeline

These will pump water out of the reservoir and carry it 35 miles to the new treatment plant.

- Over 97% of the pipeline is now installed.
- Workers will begin testing the pipe next month, filling it with water to be pumped to test parts of the Leonard Treatment Plant as well.
- Topsoil placement and property surface restoration on the Right-of-Way (ROW) are still in progress.
- Crews continue to build and place pipes and electrical at the pump station.

Treated Water Pump Station and Pipeline

A pump station and 25 miles of new pipe will transport the treated water to the existing NTMWD regional water system.

- Pipe continues to be laid. As the Raw Water Pipeline is completed, construction crews will continue to transition to increase the speed of this pipeline's installation.
- Additional walls and the central pipes of the pump station are being installed. Crews are also waterproofing the building.

Boat Ramp Areas and Lake Operations Center

NTMWD is building three public boat ramps, a dam maintenance building and a Lake Operations Center for administrative operations and recreational and educational activities.

- Paving activities are advancing at the Lake Operations Center site, from the building concrete pavement to the warehouse flex base and the road to access the NTMWD boat ramp.
- Dam Maintenance facilities and warehouse construction has begun. Crews are working on clearing the site and on foundations.

Last 1.4 Million Trees Being Planted

Planting 4.8 million trees planted is no small task—it has taken over three winters with more than one million new trees each season. Early this January, crews with RES started planting the last 1.4 million trees, this time in the upper Bois d'Arc Lake Mitigation area.

Most of these additional trees were successfully planted earlier this month (February). The rest will be planted early next year. RES is also doing some spot planting at Riverby Ranch in areas that had lower survival rates last year.

In a snapshot:

- Workers planted approx. 46,667 trees/day the last two months.
- Around 4 million trees have been planted (4.3 million total by next Spring 2022).
- At least 500,000 live stakes (that will grow into black willow and cottonwood trees) have also been planted as part of Riverby Ranch work on Willow Branch Creek (bringing total to 4.8 million).



Newly planted trees in the upper BDL mitigation site.

Boat Ramps Update

The three boat ramps for public access to the future Bois d'Arc Lake are nearing completion.

- The main FM 897 boat ramp – 95% complete. The final solar light poles are being added and vegetation restored.
- South Ramp – 80% complete. Solar light poles also need to be installed.
- North Ramp – 60% complete. Various work still underway to conclude this last ramp.



A view of the FM 897 Boat Ramp.

Spotlight: Willow Branch Creek Work in the News

We recently shared an article with the news media on the extensive stream restoration done on Willow Branch Creek as part of the Bois d'Arc Lake project, and it has generated significant interest inside and outside state borders. So far, the project has been shared in various publications including:

- [Texas Fish and Game magazine](#)
- [Stormwater.com](#)
- [North Texas eNews](#)
- [Water World online](#)



Overview of the restored Willow Branch Creek.

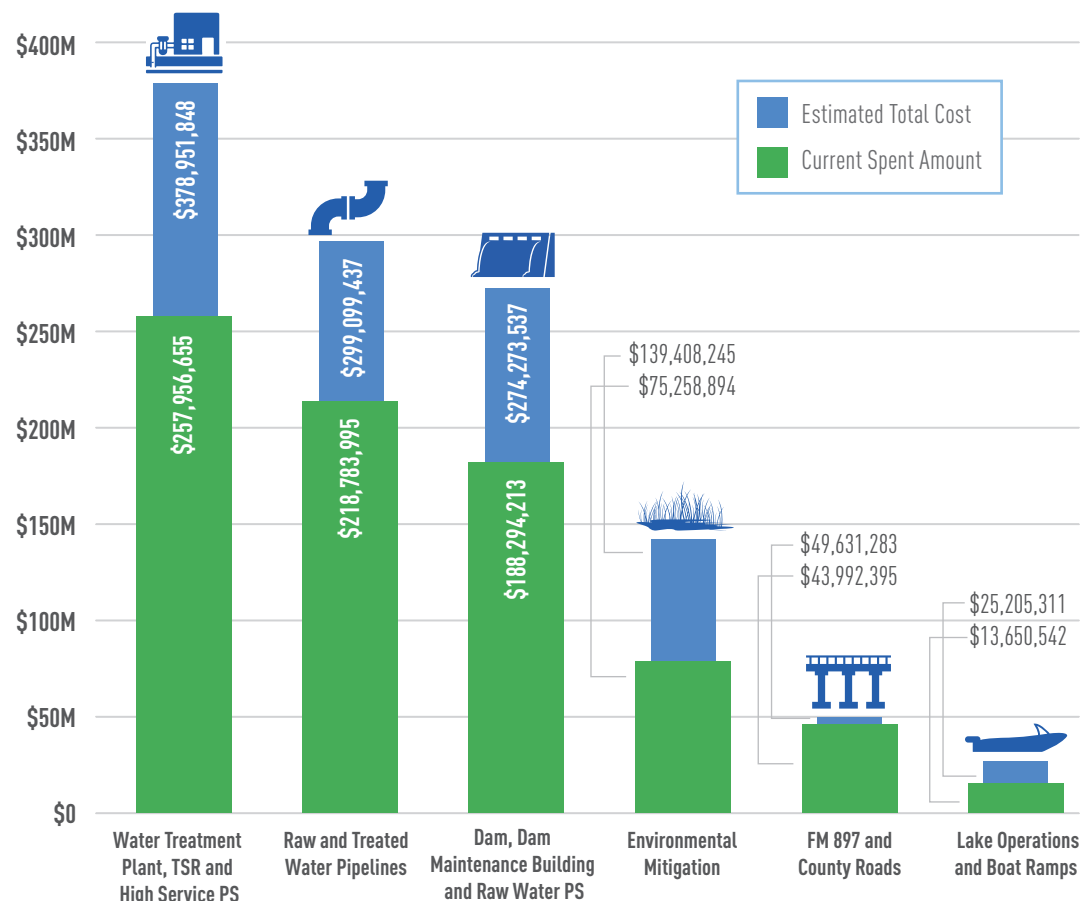
Current Cost Summary

Bois d'Arc Lake planning, permitting and construction is an important investment for North Texas.

Bois d'Arc Lake and other projects are estimated to cost approximately \$1.6 billion. These costs will be shared by the up to 80 communities who receive water from NTMWD.

The Texas Water Development Board has approved \$1.47 billion for these projects through the State Water Implementation Fund for Texas (SWIFT) program, which is anticipated to save NTMWD and its cities over \$230 million in interest.

Budget Status for Bois d'Arc Lake Project – By Each Part Current Amounts Spent Compared with the Estimated Total Costs*



As of February 1, 2021 *Figures are for construction costs only; do not include all project costs.

TIMELINE FOR PROJECTS

