

September 2019

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 stripping/clearing soil and vegetation to build a two-mile-long dam embankment and service spillway (to return overflow water to Bois d'Arc Creek).

- Crews continue to add fill to the dam embankment and pour concrete for the intake tower walls/conduit pipes (that move water out of the lake for treatment) and spillway (to release overflow back to Bois d'Arc Creek).
- Crews are clearing the remainder of the reservoir footprint.

FM 897 and County Roads

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

- Crews completed the second and third pours of deck concrete (out of 20 total) for the FM 897 bridge across the future Bois d'Arc Lake. Work also continues moving earth for the roadway on either side of the bridge.
- Construction on the supporting structure for FM 897 is over halfway finished. All drill shafts were completed on August 8th, and workers are currently setting beams.
- Work on county roads is well underway.

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 continue to restore streams, prepare for fall cover crops, create future emergent wetland areas and remove existing structures.
- Preparations are underway for winter tree planting.

Leonard Water Treatment Plant

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

- Excavation is complete and concrete pours for most structures are well underway.
- Walls for the operations building are going up.

Raw Water Pump Station and Pipeline

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

- Crews continue installing raw water pipeline in segments.
- Most of the large diameter pipe at the pump station is installed.

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.

- Final designs and permitting for the treated water pipeline to move water to customers is underway.
- Pump Station excavation is complete. Crews are gathering at the site this month to begin work on the concrete structure.

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 with crews expected to break ground late this year.

- The NTMWD Board reviewed and approved the proposed contracts in August.
- Crews are expected to break ground in the next month on both the Lake Operations Center and boat ramps.

Recent Dam and Reservoir Work

Accomplishments

- Work continues placing the 78-inch intake pipeline and pouring/reinforcing concrete for the intake tower and service spillway.
- Crews have moved 2 million cubic yards of earth to build the dam on either side of Bois d'Arc Creek to its full, 500-foot width. Currently the dam is about 30-35 feet high from the foundation up and will eventually stand 90 feet tall at its highest point.

Fun Fill Facts: A Construction Snapshot

The amount of soil currently being moved to build the dam would be enough to fill:

- Over 5 swimming pools per day
- The Empire State building in 81 days
- Jerry World, aka AT&T Stadium, in a little under a year
- 190 miles of Interstate 30 in a year



Crews working ahead of schedule to build the lake dam to its full 500-foot width.

Up Next

- Work in all areas of the dam and reservoir will continue.



Now that the first segment of raw water pipe has been laid, crews are busy stringing and placing the pipe, which will deliver water to Leonard Water Treatment Plant.

Bois d'Arc Lake in the News

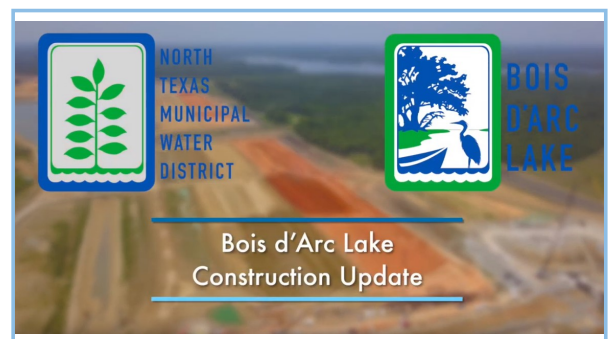
- [North Texas e-News: Crews lay first pipe for Raw Water Pipeline from Bois d'Arc Lake](#)
- [MarketWatch: Northwest Pipe: Awarded Large Steel Pipe Contract for Bois d'Arc Lake Project](#)
- [North Texas e-News: Bois d'Arc Lake: State fisheries managers reeling over possibilities at East Texas' newest bass fishery](#)
- [Crain's: Bois d'Arc Lake Mitigation Area to Serve as Regional Site for Texas Native Seeds Program Research](#)

New Bois d'Arc Lake Videos



VIDEO: [A Legacy of Water](#)

The NTMWD Board of Directors toured the construction site and shared their thoughts on project progress.



VIDEO: [Building for the Future](#)

Hear more on the progress and importance of this project from NTMWD leadership.

Bois d'Arc Lake Mitigation Area Selected for Native Seeds Program

The statewide Texas Native Seeds (TNS) program recently selected Bois d'Arc Lake's mitigation site to research the best native grass and forb seeds to use when planting in the North Texas area. NTMWD (who owns the site) and Resource Environmental Solutions (RES), LLC. (the ecological restoration contractor) are fully supporting the study.

"We're delighted to support this important effort that will provide ecological benefits to the entire region as well as our mitigation project," said Steve Long, Bois d'Arc Lake Project Manager for the North Texas Municipal Water District.

"This is an ideal partnership," agreed Elliott Bouillion, RES President and CEO. "The conservation areas we manage, including Riverby Ranch, will benefit directly from access to seed supplies and best practice knowledge."

[View the full story on Crain's here.](#)

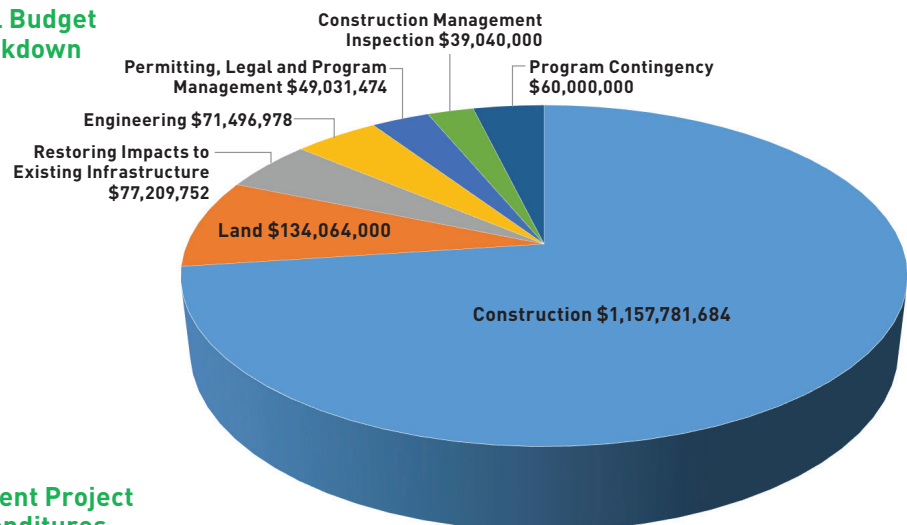


The planning, permitting, designing, land purchasing and constructing of Bois d'Arc Lake and other projects is an important investment for the future of North Texas.

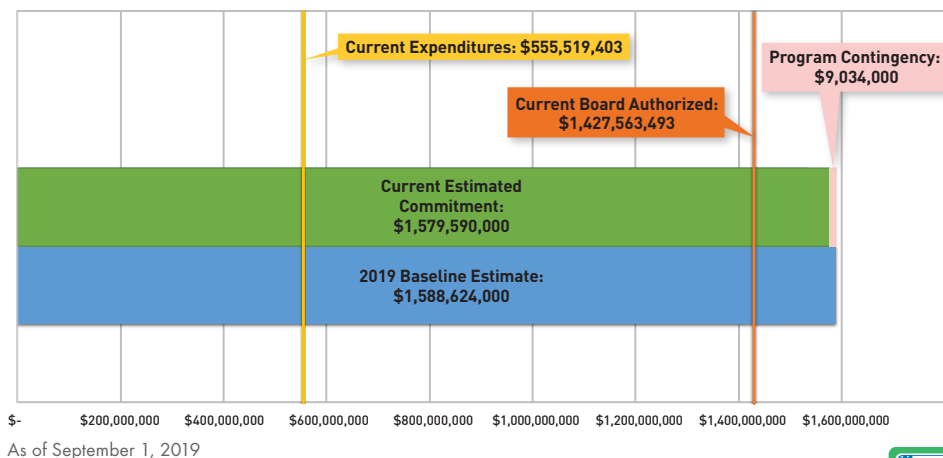
Bois d'Arc Lake and other projects are estimated to cost approximately \$1.6 billion. These costs will be shared by the up to 80 communities who receive water from NTMWD. The Texas Water Development Board has approved \$1.47 billion for these projects through the State Water Implementation Fund for Texas (SWIFT) program, which is anticipated to save NTMWD and its cities over \$230 million in interest.

This pie chart offers a breakdown of the total budget for the reservoir and other projects, and the bar chart shows current expenditures.

Total Budget Breakdown



Current Project Expenditures



TIMELINE FOR PROJECTS

