



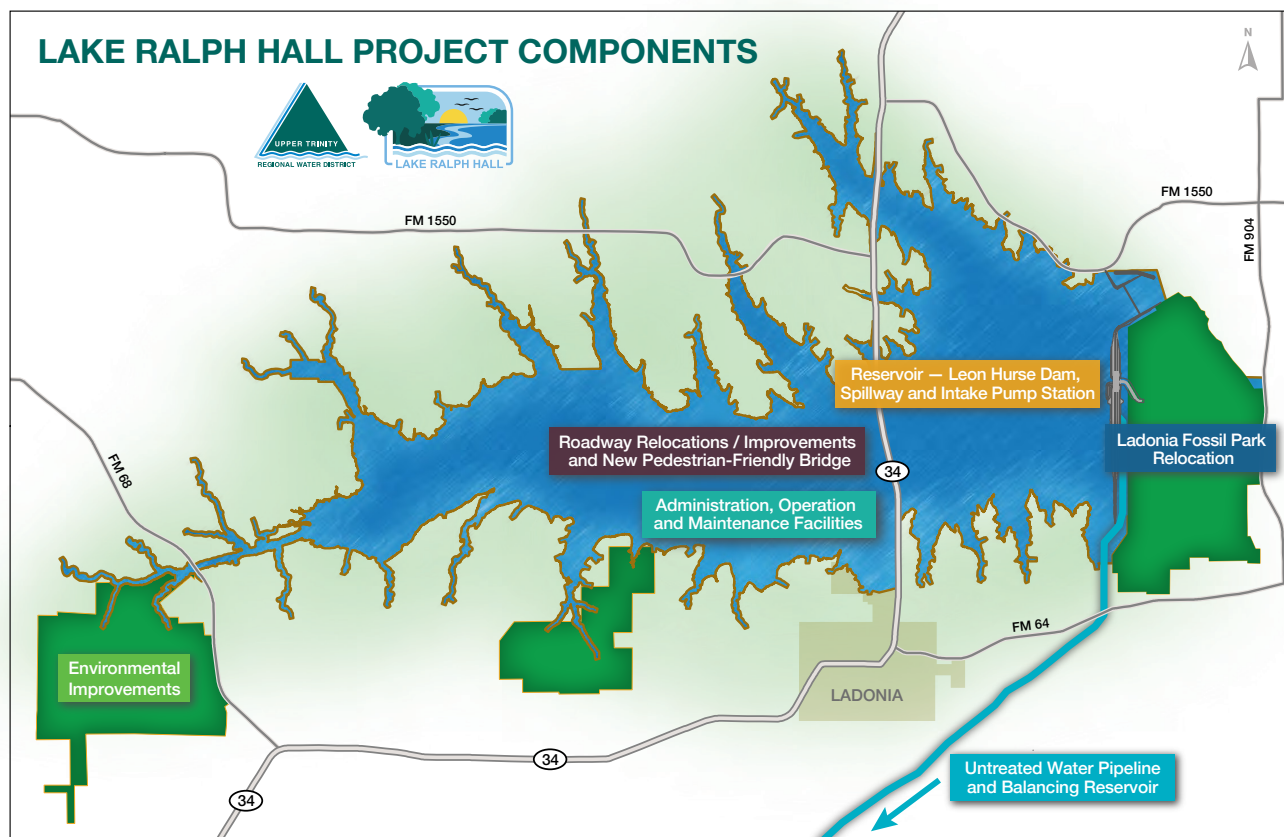
Lake Ralph Hall

Facts about Texas' newest lake

Lake Ralph Hall will be Texas' newest lake and one of the state's biggest water projects in nearly 30 years. Located on the North Sulphur River in Fannin County just north of the City of Ladonia, the lake will be an additional major water supply source for Upper Trinity Regional Water District (UTRWD). The lake, named after Texas' longtime U.S. Congressman Ralph M. Hall, and its dam, named after visionary Ladonia mayor Leon Hurse, will provide

essential water for an area whose population is projected to increase nearly fivefold in the next 50 years.

Once complete, Lake Ralph Hall will provide an additional 35 million gallons daily (MGD) of water and 19 MGD of reuse water for the residents of Denton, Collin and Fannin counties. Construction of the new lake is anticipated to begin in late 2020 with water delivery expected in 2026.



BEYOND THE LAKE

Providing a safe and reliable water supply to a rapidly growing region requires more than just building a reservoir — it takes determined leadership! The planning, permitting, design and construction for this critically important project will have taken over two decades once operational. Numerous components are needed to collect, store and deliver water from Lake Ralph Hall.

- Dam, spillway and intake pump station
- 32 miles of untreated water pipeline and balancing reservoir
- Roadway relocations/improvements and a new lake bridge
- Administration, operation and maintenance facilities
- Environmental mitigation in specific areas around the lake, including a portion of the North Sulphur River below the Leon Hurse Dam
- Relocation of Ladonia Fossil Park to a new downstream location yet to be determined



Lake Ralph Hall will reduce the effects of severe erosion on the North Sulphur River channel (now over 300 feet wide).



- To be constructed, owned, operated & maintained by UTRWD.
- A good site — limited wetlands, naturally deep channel, no gas and oil wells.
- UTRWD holds rights & owns the water — reducing dependency on others.
- Lake's surface area is approximately 7,600 acres, or just under 12 square miles.
- Total project size is approximately 16,000 acres, which includes mitigation areas and riparian buffers.
- Similar in size to Grapevine Lake but will yield a third more water — because of greater rainfall in Sulphur River Basin.
- Benefits local & regional economy, and will provide recreational opportunities.



WATER FOR OUR FUTURE

As the population of Denton, Collin and Fannin counties grows, so does its demand for water. While UTRWD members and customers continue to reduce water use, its 30 communities are still growing at a rate beyond what can be met by conservation and reuse alone. For this reason, Lake Ralph Hall is key to our region's continued vitality. It will provide a reliable water supply for generations and ensure water for the needs of the growing communities served by UTRWD.

COMMUNITY SUPPORT FOR LAKE AND ECONOMIC BENEFITS

Lake Ralph Hall has received widespread community support. Not only will the lake help the region avoid water shortages, it will bring billions of dollars in economic benefits to Fannin, Denton, Dallas and Collin Counties. It will be a boom to the region, especially to Ladonia, which will benefit from a large nearby lake offering recreational uses, fishing and boating in the city's backyard. The project has the support of more than 35 local organizations including cities, water districts, chambers of commerce and citizen groups.

LADONIA FOSSIL PARK

The Ladonia Fossil Park is one of the area's most popular and visited sites. UTRWD opened a temporary Fossil Park on FM 2990 to accommodate construction on Lake Ralph Hall. Upper Trinity Regional Water District is coordinating with the City of Ladonia and others in selecting a new, permanent site downstream of the future lake. By offering access to different locations on the river, the park relocations provide opportunities for additional and untapped fossil discoveries.

ENVIRONMENTAL BENEFITS

In the 1920s, the natural channel of the North Sulphur River was altered and straightened to help reduce flooding of valuable farmland. Since that time, the river channel has eroded significantly, going from 16 feet wide by 10 feet deep to approximately 300 feet wide and 60 feet deep — over 20 times its original size. Erosion continues today resulting in the loss of hundreds of acres of valuable land/soil, trees and wildlife habitat and has caused the need for multiple replacements of state highway bridges.

Building Lake Ralph Hall will help reduce the impact of the continued erosion and restore portions of the original river channel to its beautiful and natural, meandering path.

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