

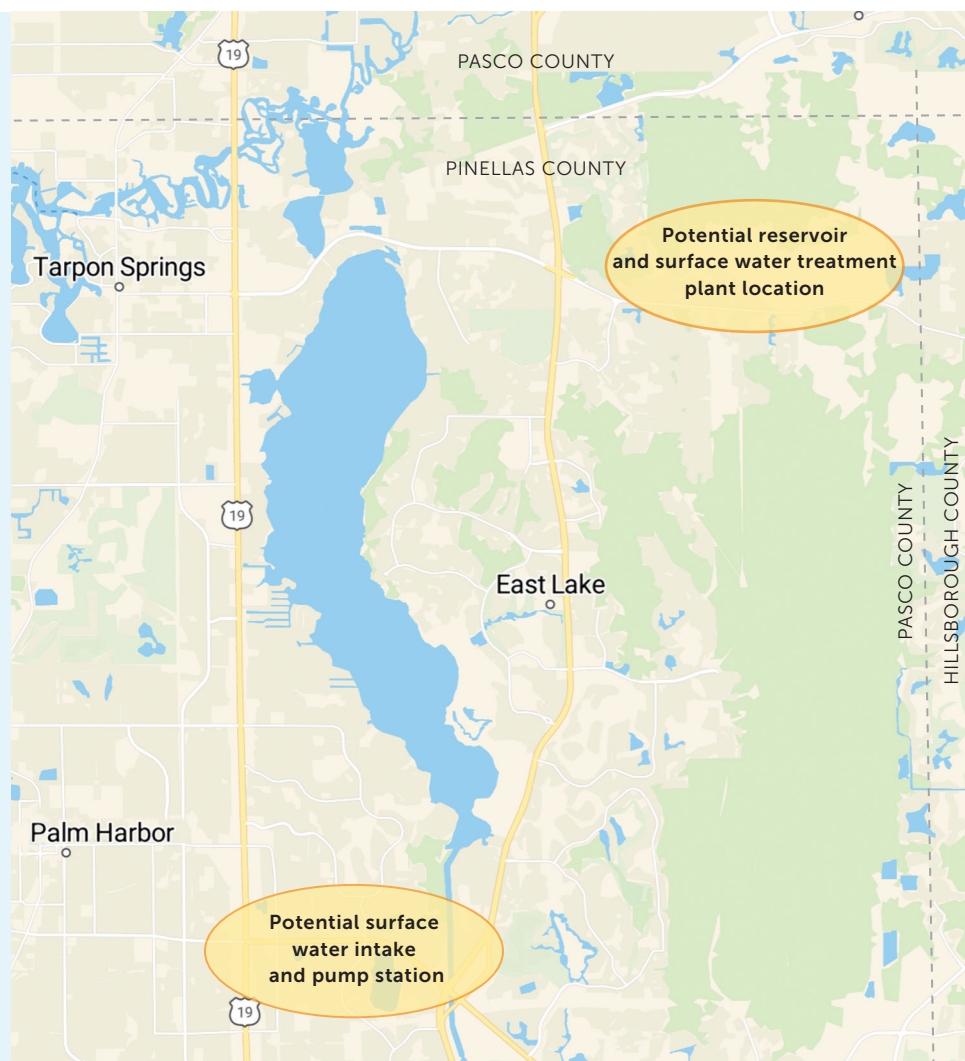
The Tampa Bay region will need 10-20 million gallons per day of additional drinking water by 2033, and this project is one of several being studied to meet that need.

Project Overview

This project will study the feasibility of harvesting excess water from the Lake Tarpon outfall canal and other Lake Tarpon tributaries, including John Chesnut Park, Canal Park, East Lake, Channel "A," and Brushy Creek. Scientists will evaluate whether excess water could be withdrawn during wet times for use as public drinking water without negatively impacting ecological and recreational uses of the source waters. Scientists will also evaluate water quality to determine treatment requirements. This project concept is similar to Tampa Bay Water's Enhanced Surface Water System, where river water is withdrawn during wet times, treated at a surface water treatment plant and excess water is stored in a reservoir for treatment and use during dry times.

This proposed project has an estimated annual yield of 4.5 million gallons per day (mgd). Yield estimates will be updated as part of the ongoing feasibility study.

This project would require a new pipeline to deliver raw water from the surface water sources to a new reservoir in northern Pinellas County. Locations shown are for planning purposes only and subject to changed based on additional studies.



North Pinellas Surface Water Treatment Plant & Reservoir Feasibility Study

Feasibility Studies

Feasibility studies are designed to determine if a proposed project is technically, environmentally and economically viable. Only those projects that are deemed feasible will be considered for future development. Studies for this project include:

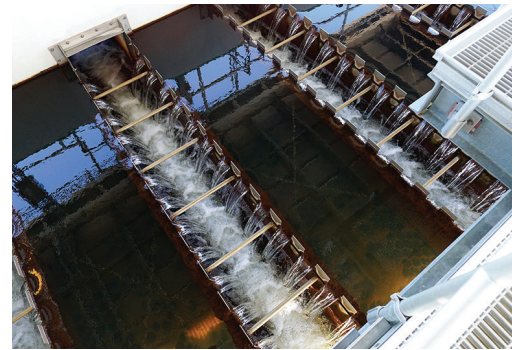
- Characterizing water quality and availability
- Evaluating potential reservoir size and treatment plant capacity
- Identifying potential locations for reservoir and treatment plant
- Quantifying nutrient load reduction to Old Tampa Bay that could result from upstream withdrawals

Anticipated Regulatory Requirements

- Multiple federal and state permits
- Southwest Florida Water Management District Water Use Permit

Project Components (If Developed)

- Surface water intake and pump station
- Pipeline to deliver water to the new reservoir
- Reservoir for seasonal water storage
- Surface water treatment plant in north Pinellas County
- Finished water storage tank, pump station and pipeline to deliver drinking water to the existing regional system near the northern end of the Keller Transmission Main



Benefits

- **Reliability** – Surface water from rivers has been a reliable supply option since 2002; takes advantage of Florida’s summer rainy season. On average, the Tampa Bay region receives about 47-50 inches of rain each year.
- **Environmentally friendly** – Reducing the amount of freshwater discharged into Upper Tampa Bay could improve the bay’s water quality and benefit seagrasses and the estuarine environment.
- **Co-funding** – This project may be eligible for Southwest Florida Water Management District co-funding.

Get in Touch

Tampa Bay Water provides wholesale water to the public utility systems of Hillsborough, Pasco and Pinellas counties, as well as the cities of New Port Richey, St. Petersburg and Tampa. Visit tampabaywater.org and futurewater.org to learn more about the region’s drinking water and options to meeting future needs.

TampaBayWater.org

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