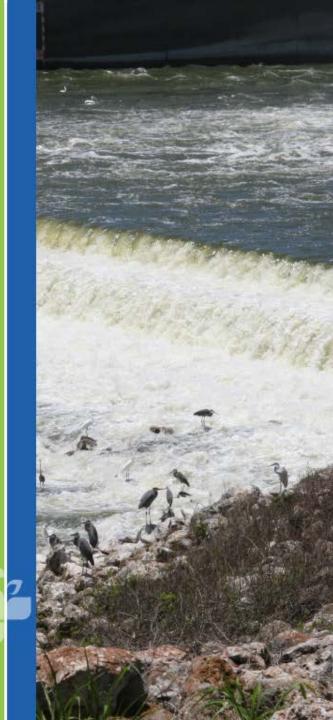




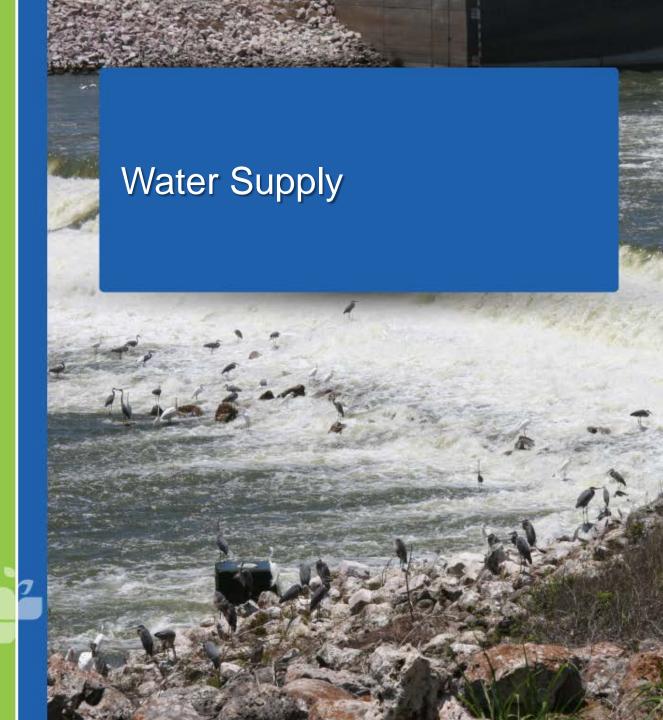
Society of American Military Engineers

Joe Pool Lake as a Regional Water Supply

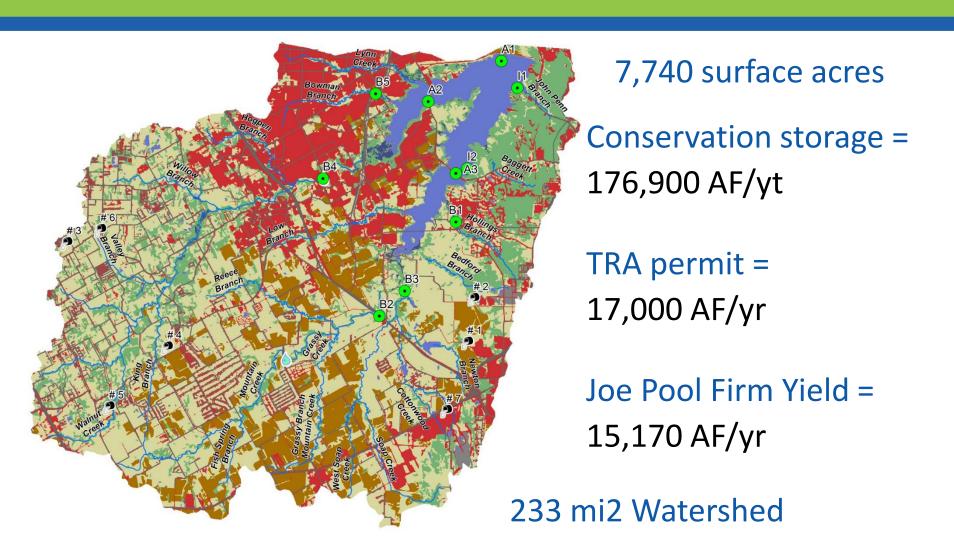
Wastewater Treatment • Water Treatment • Water Storage • Lake Livingston • Recreation

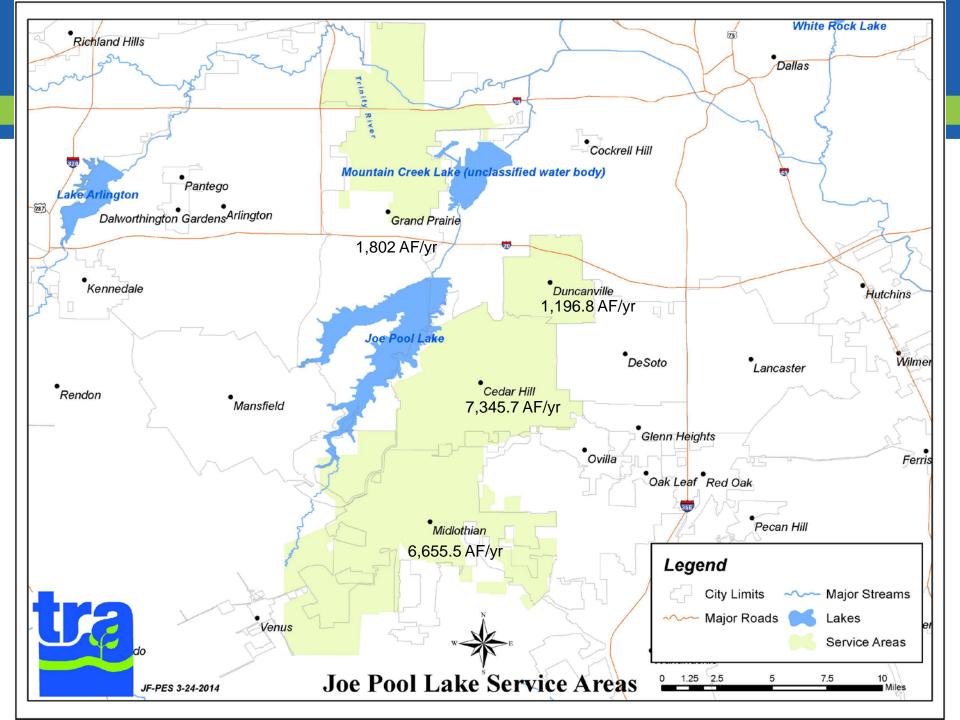




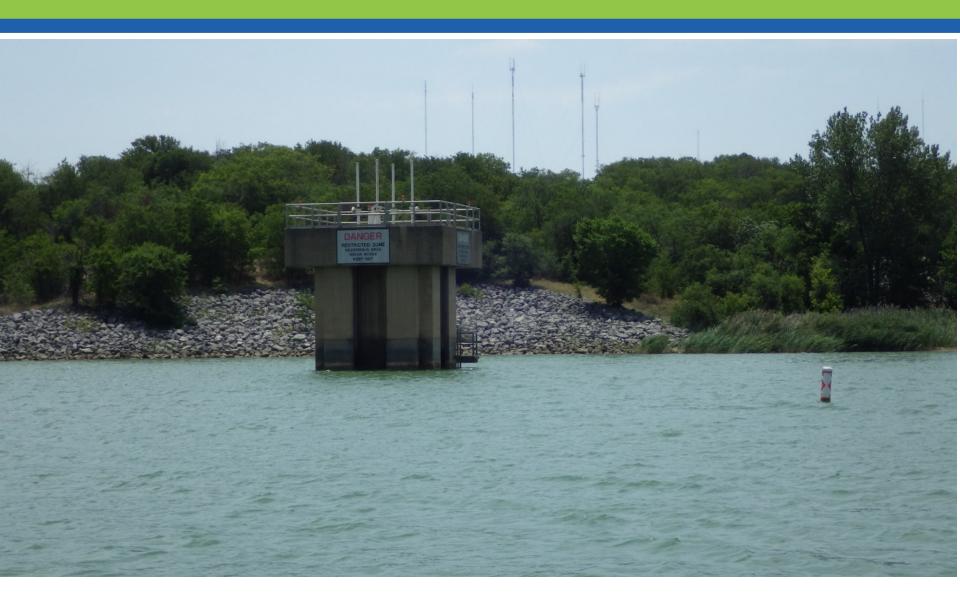


Joe Pool Lake Stats

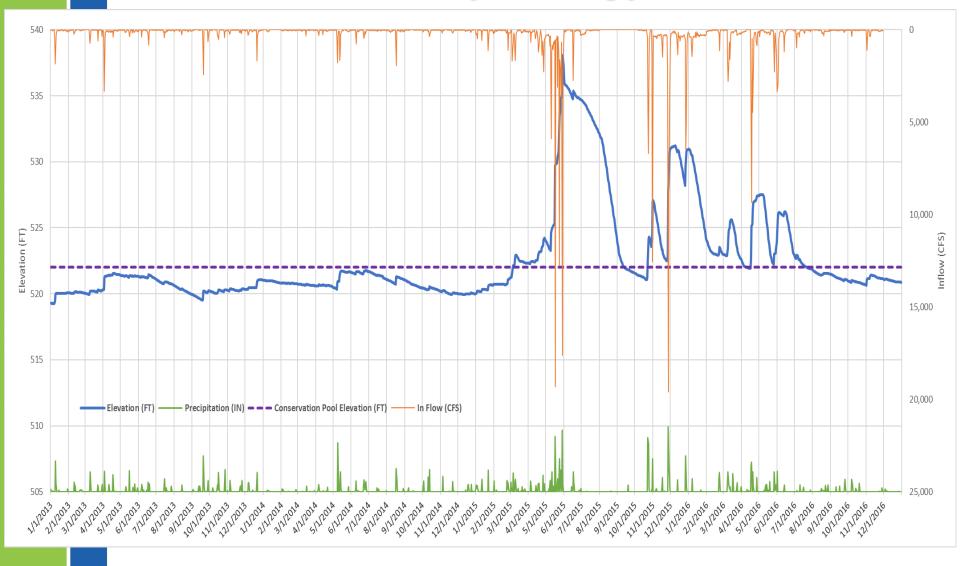




Lakeview Water Supply Project

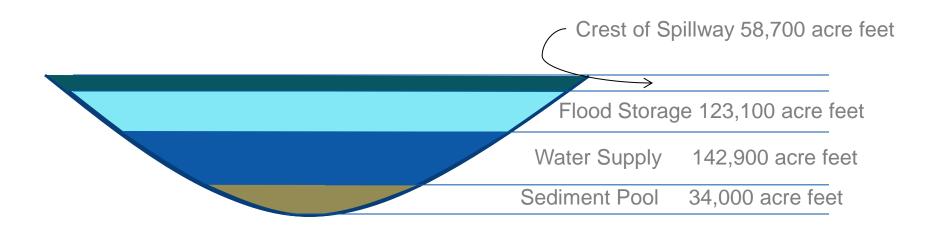


Joe Pool Lake Hydrology, 2013 to 2016



Region C Water Supplies and Strategies Trinity Basin GRAYSON Marvin Nichols WISE DENTO (13) Sulphur Basin PARKER KAUFMAN Legend County Line Sabine NAVARRO Basin HENDERSON River Basin Boundaries Cities Rivers & Streams Reservoirs **Brazos** Proposed Reservoirs Neches FREESTONE Basin 1 - RETURN FLOWS ABOVE DWU LAKES 2 - LAKE LEWISVILLE REUSE 3 - NEW LAKE TEXOMA (BLEND) 4 - SOUTHSIDE (LAKE RAY HUBBARD) REUSE Trinity 5 - EAST FORK REUSE Basin 6 - TRWD THIRD PIPELINE AND REUSE 7 - LOWER BOIS D' ARC CREEK RESERVOIR 8 - LAKE FORK RESERVOIR 9 - LAKE RALPH HALL AND REUSE 10 - LAKE PALESTINE 11 - LAKE FASTRILL Source: 2006 Region C Water Plan 12 - OKLAHOMA WATER 13 - MARVIN NICHOLS RESERVOIR

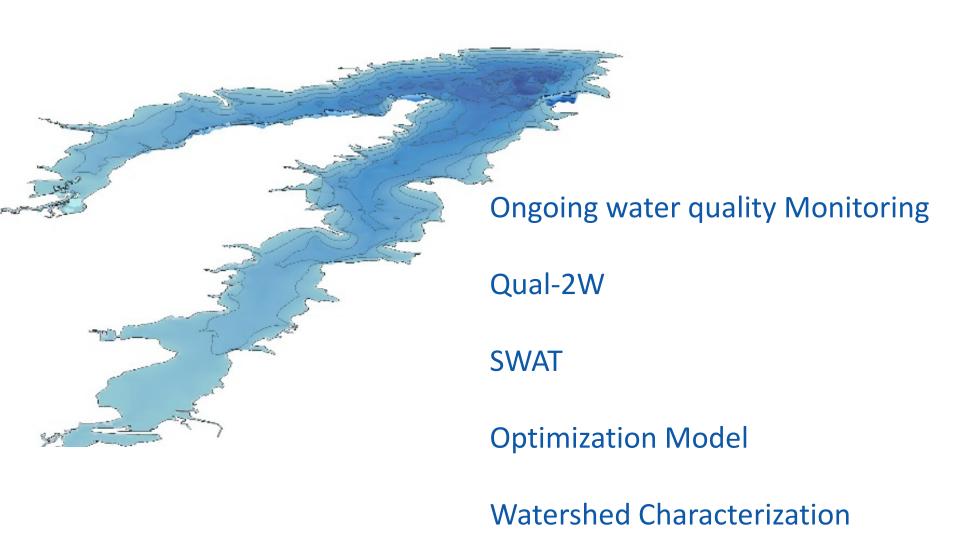
JPL Storage and Uses



Total Storage: 362,700 Water Supply: 142,900

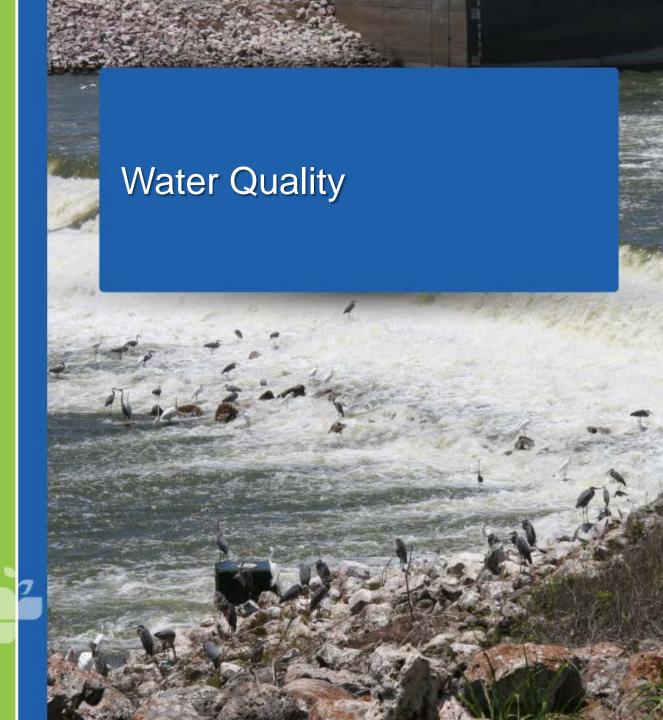
39%

Current Efforts

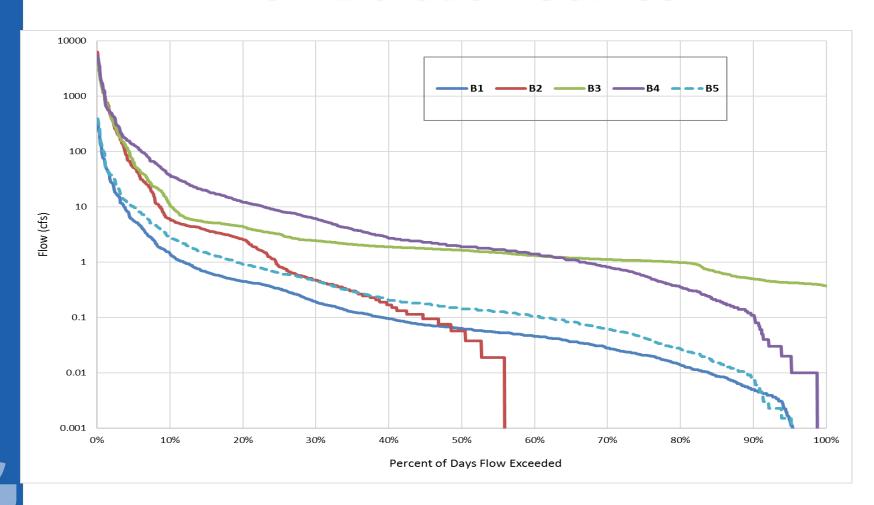








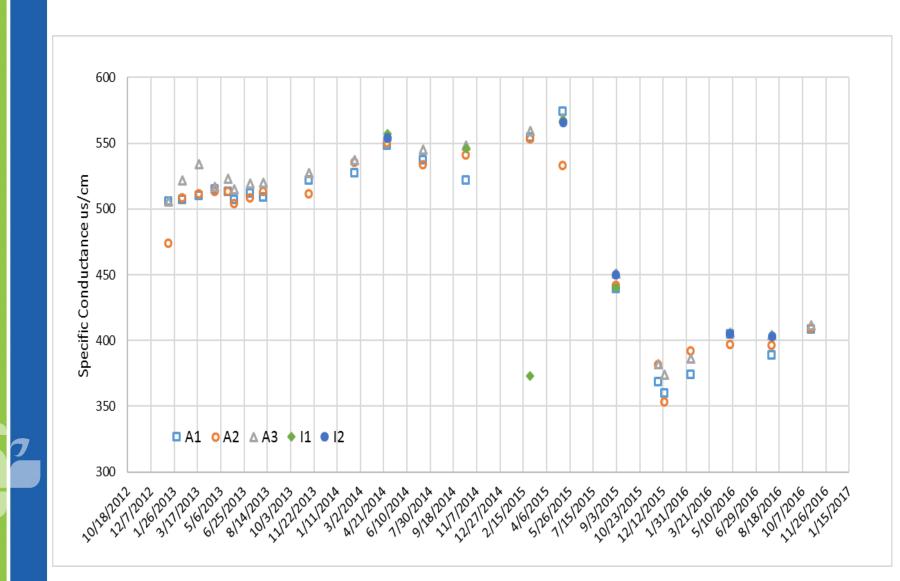
Flow Duration Curves



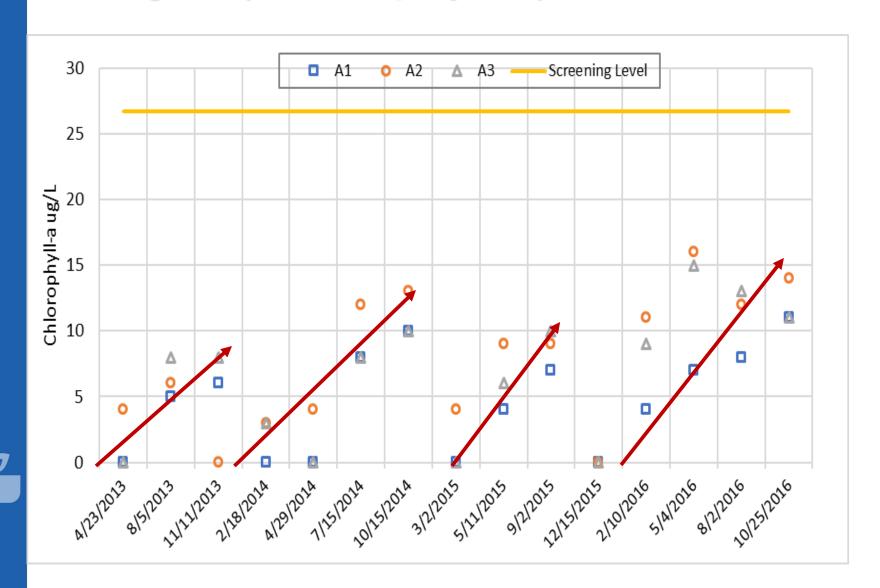
50% of the time collective flow is < 4cfs.

Only 10% of the time is it > 100 cfs

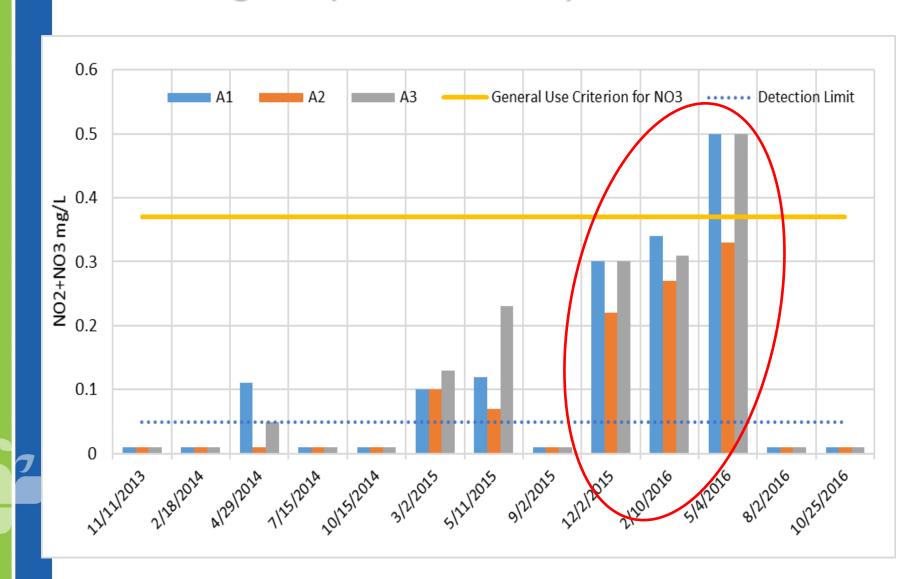
Specific Conductivity



Algae (Chlorophyll-a), 2013-2016



Nitrogen (NO2+NO3), Lake Sites



Bacteria (E. coli) in Tributaries, 2008-2016

