



Aquilla Reallocation Report

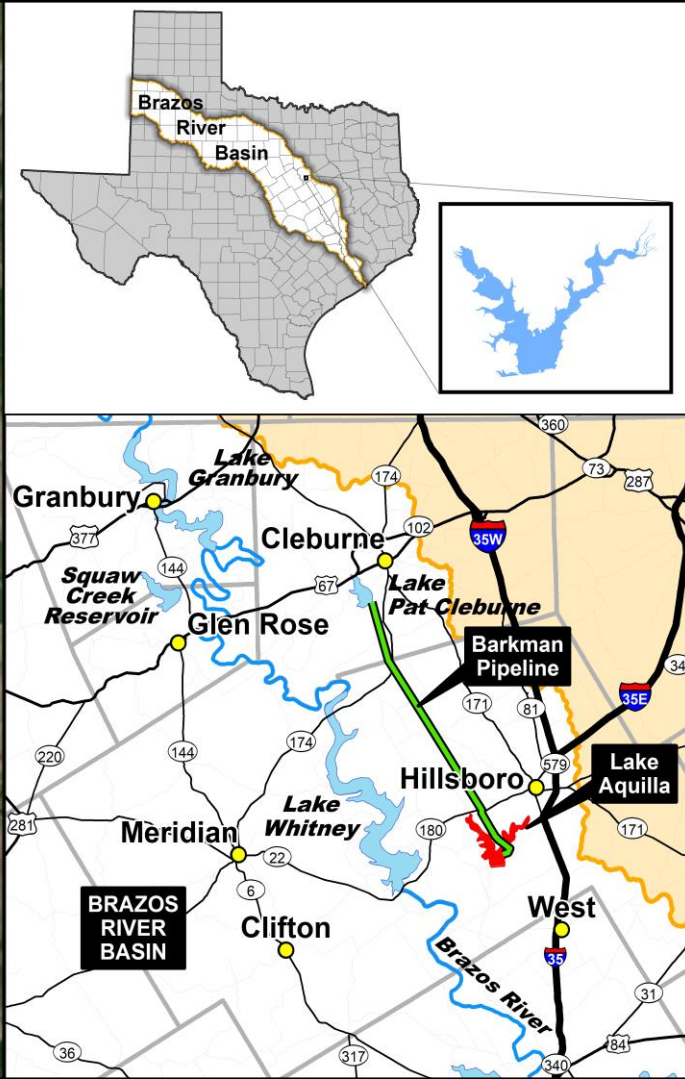
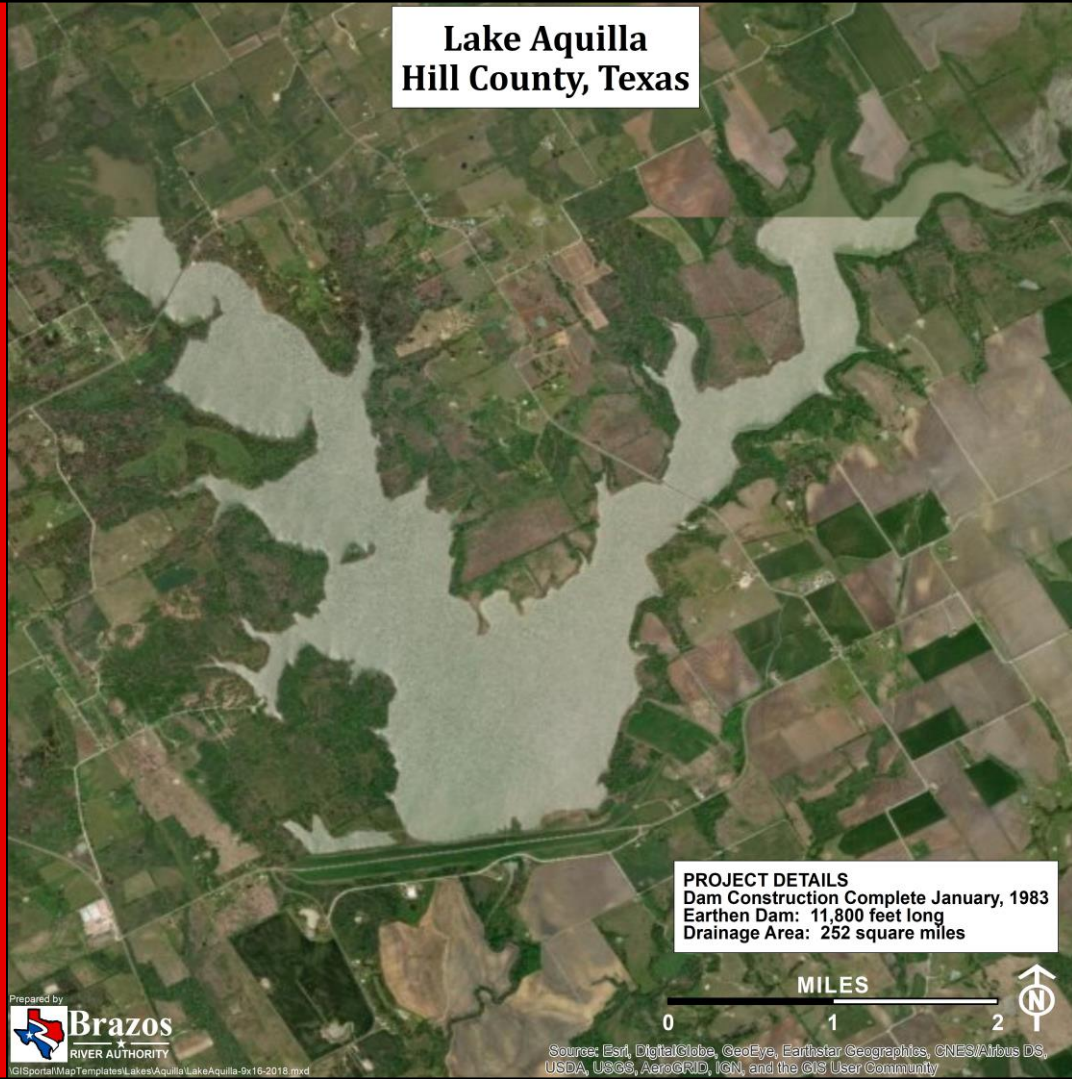
***Presented by
Aaron Abel
Water Services Manager***

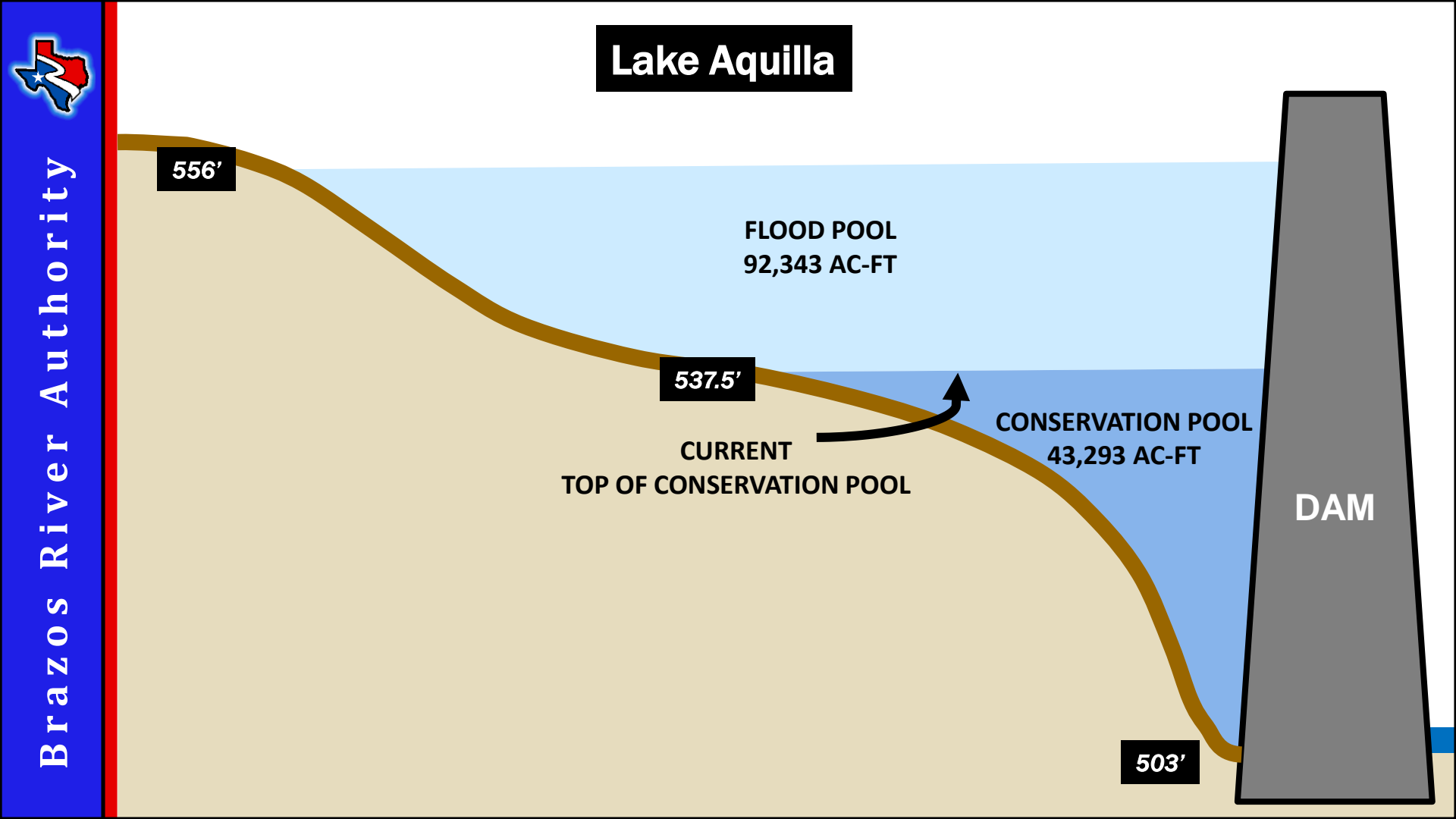
Meeting Date: July 30, 2018

Presentation Outline

- **Purpose – Reporting on the status of the Aquilla Reallocation Study**
 - **Background (Corps reservoirs, storage reallocation, previous reports, etc.)**
 - **Study Evaluations and Assessments**
 - **Study Results and Current Status**
 - **Next Steps**

Lake Aquilla Hill County, Texas





Lake Aquilla



Brazos River Authority

556'

FLOOD POOL
92,343 AC-FT

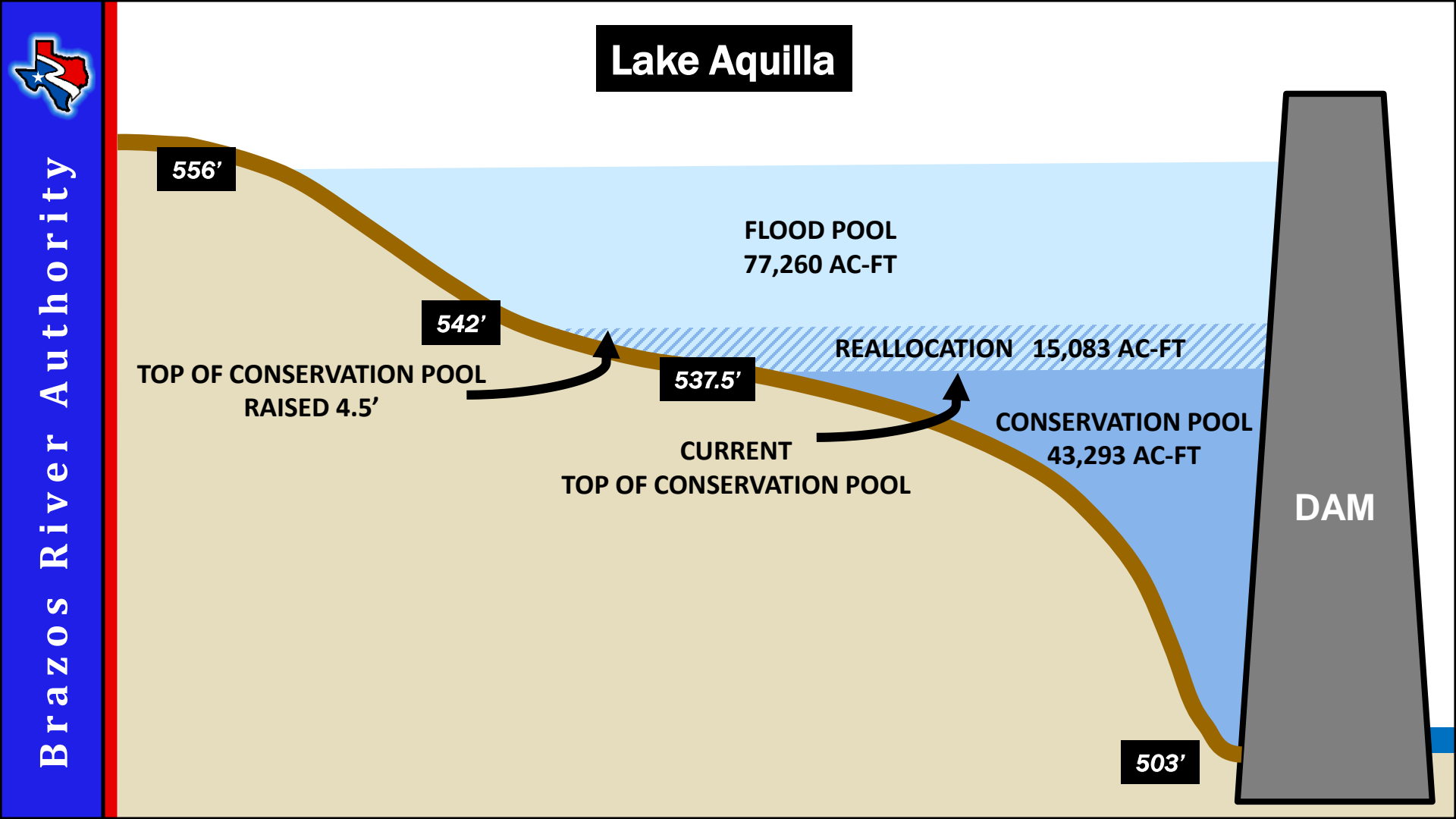
537.5'

CURRENT
TOP OF CONSERVATION POOL

CONSERVATION POOL
43,293 AC-FT

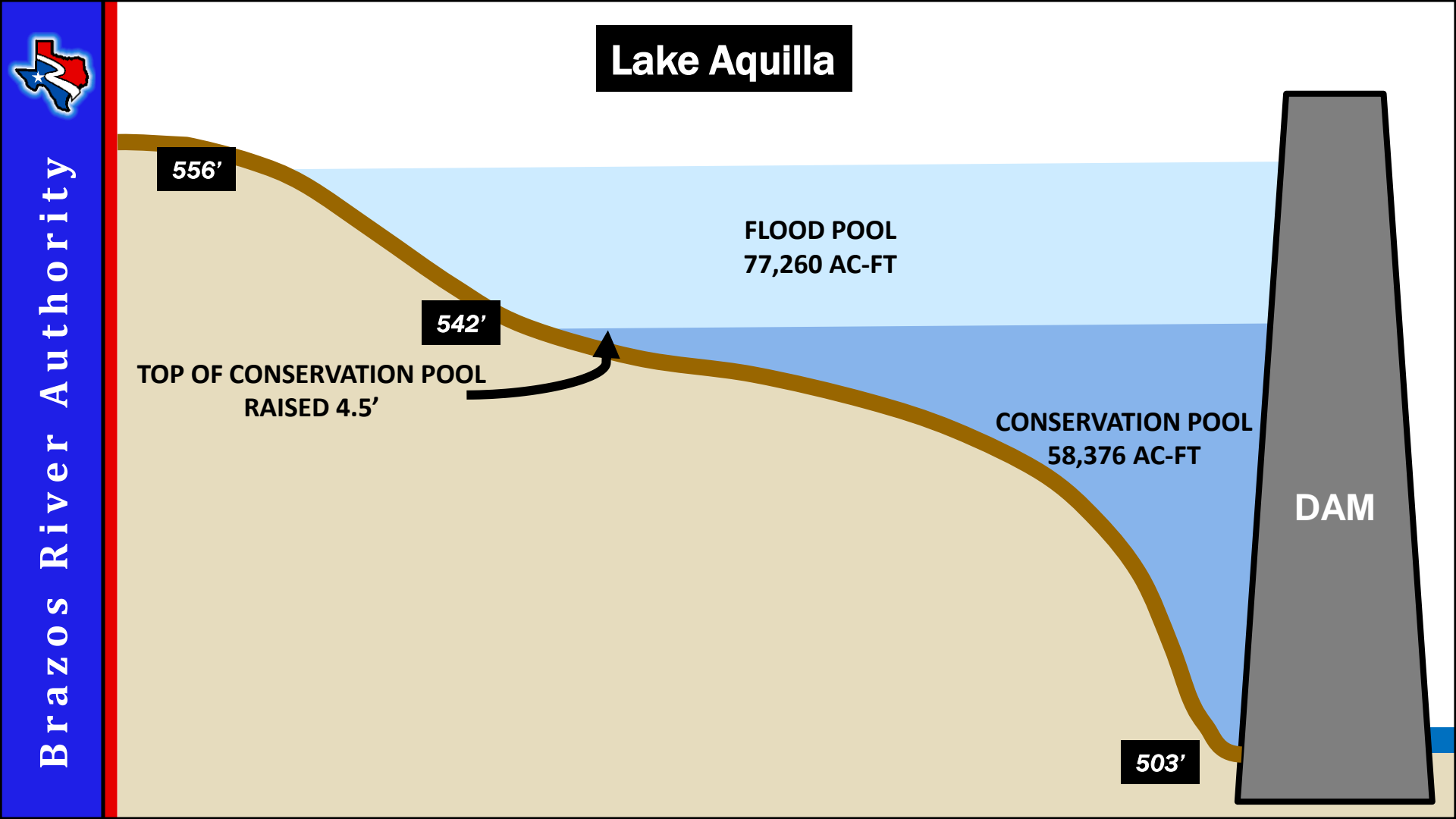
DAM

503'



Lake Aquilla





Timeline of Previous Studies

- **Brazos River Basin Systems Assessment**
 - **Phase I Storage Reallocation Evaluation (Screening of reallocation potential at all 9 federal reservoirs, 2005-2007)**
 - **Phase II – Aquilla Lake Storage Reallocation (Authorized in 2008)**
 - **Additional phases if detailed storage reallocation is pursued at reservoirs other than Aquilla**

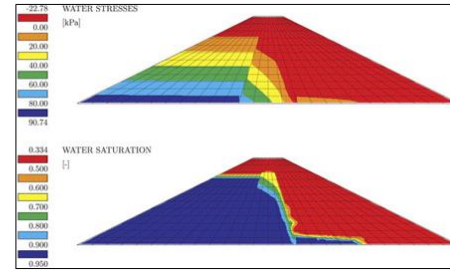
Study Evaluations and Assessments



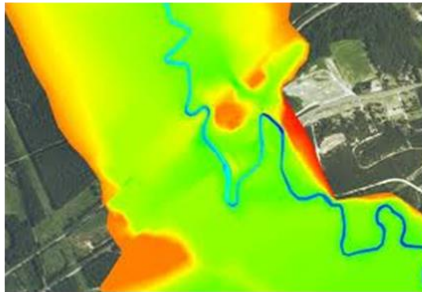
Recreation



Cultural Resources



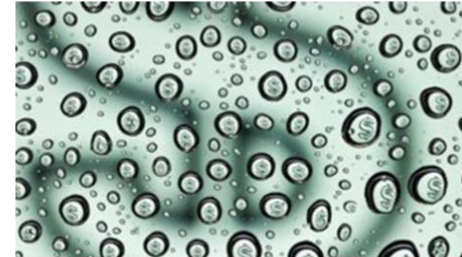
Geotechnical



Hydrology and Hydraulics



Environmental Studies



Economics

Others – civil/structural, cost estimating, real estate, waste and reservoir control
 Meeting Date: July 30, 2018

Study Results and Current Status

- **\$26.4 million for approximately 2,000 acre-feet/year yield increase**
 - **Cost of storage: Almost \$15 million**
 - **Utility relocations, embankment reinforcement, recreational facilities: ~\$6 million**
 - **Fish and wildlife mitigation: ~\$1 million**
 - **Design and Construction Management: ~\$4-5 million**

Next Steps

- **Final approval of study: COE HQ**
- **Customer coordination**
- **Negotiations with the COE concerning costs**
- **Determine if implementation is feasible - timing**



**Brazos
River
Authority**