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RESERVOIR TEAM
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Allens Creek Reservoir (ACR) Project Update

Presented by:
Scott Burch, P.E., Cory Shockley, P.E., & James Thomas, SPWS, CWB

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Allens Creek Reservoir Project Update

Agenda

- Overall Status
- Field Investigation Update
- Purpose & Need Update
- Alternatives Analysis Update
- Permitting Update

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01

Overall Status

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Annual Work Plan No. 1

- Authorized by the Board on May 8th, 2026
- Contract Executed on May 20th, 2026
- All aspects of authorized work are underway
- All activities are on schedule and under budget
  - Through September 2026, GFT has expended $1.6M out of $2.2M budgeted.



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Annual Work Plan No. 1

- Key Activities Underway:
  - Background H&H studies
  - On-going coordination w/ local agencies & counties
  - Conceptual reservoir & pump station analyses
  - Purpose & Need: Close collaboration w/ BRA staff on water demand data
  - Alternative Analyses for NEPA
  - Environmental & Cultural Resource Initial Survey Investigations including on-site activities

Annual Work Plan No. 1

- Key Milestones Completed:

Milestone	Completed
Project Kickoff Meeting	June 2026
Purpose & Need Demand Workshop	September 2026
NEPA Alternative Identification	August 2026
Initial Alternative Screening	October 2026
Initial USACE Pre-Application Meeting	October 2026
Environmental Resource Field Surveys Initiated	September 2026
THC Antiquity Permit Received	September 2026
Cultural Resource Field Surveys Initiated	October 2026

02

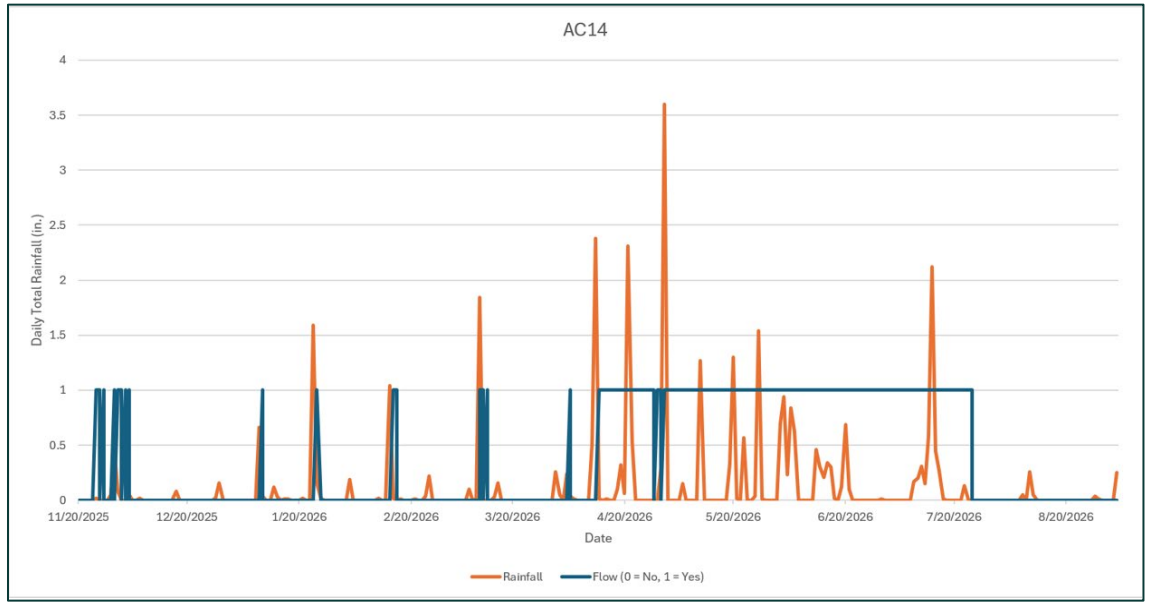
Field Investigations Update

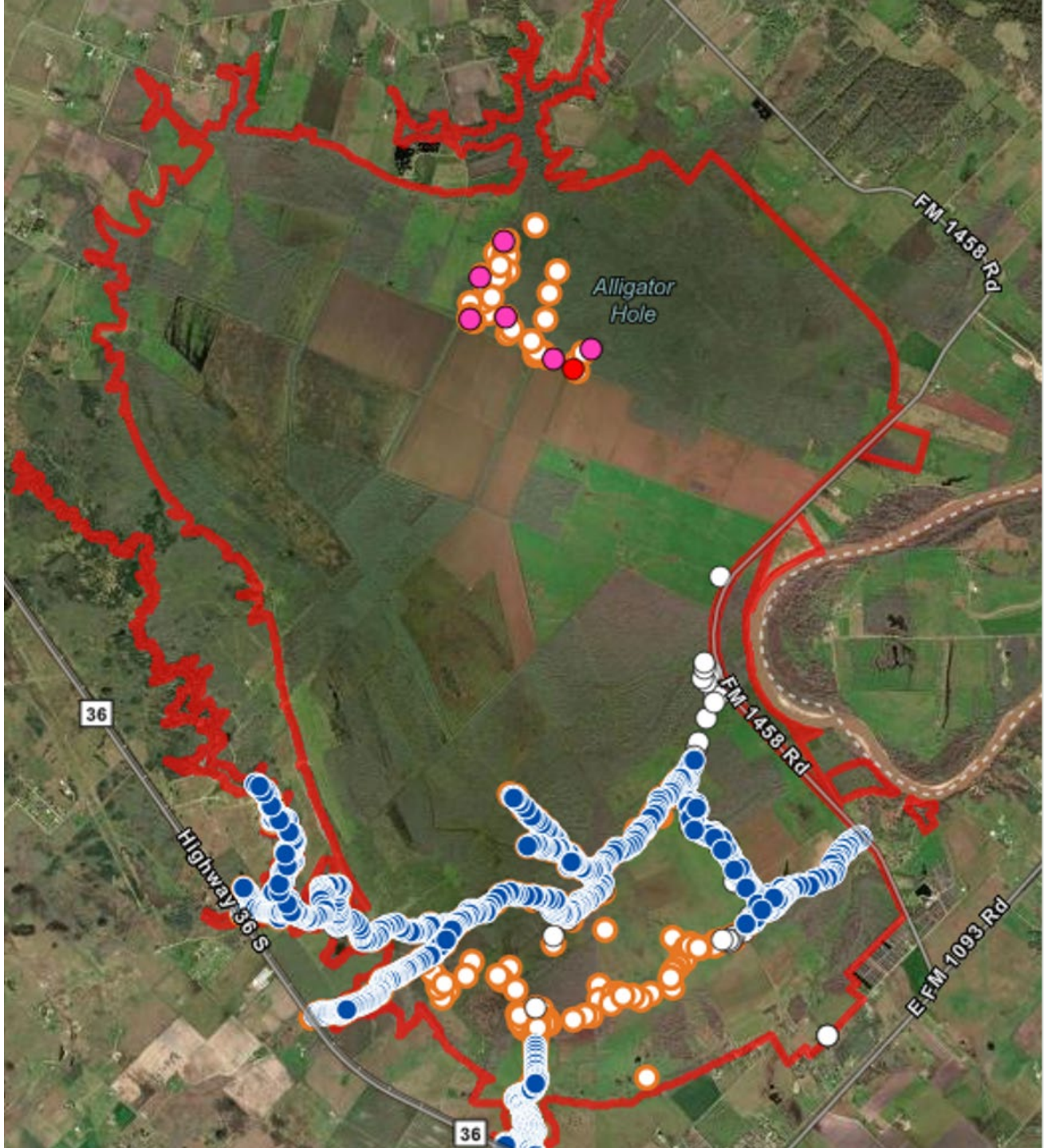
Key Investigations Completed

- Boundary survey of BRA property
- Updated topographic survey
- Initial Geotechnical investigation (borings, monitoring wells, laboratory testing)
- Development of project GIS site
- 2026 Houston toad survey & analysis (3120 hours of audio & over 53,000 sound detections evaluated)

Environmental Resources Investigations Update

- Delineation efforts
  - Accessible segments of Allens Creek
  - Intermittent tributary
  - South end of Alligator Hole at confluence location
- STIC logger data analysis





Environmental Resources Investigations Update

- On-going Efforts
  - Confirmation of stream flow for relatively permanent waters (RPWs)
  - Wetland delineation

- Future Efforts / Approach
  - Complete delineation efforts
  - Agency site visit
  - Jurisdictional Determination by USACE (5-year life & appealable)



STIC Logger in tributary



Forested wetland without continuous surface connection

Cultural Resources Investigations Update

- Received Antiquities Permit – key step
- Archeological survey on-going
  - Approx. 2,700 ac of surveys completed
  - More than 480 shovel tests & 7 deep trenches (284 m^3) as of 11/2/26
- On-going discussions with archeology staff from prior intensive investigations of the site
- Moving at strong pace due to good weather & favorable site conditions







03

Purpose & Need Update

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Purpose & Need Update

- **Purpose:** To develop lower basin water supplies to meet future wholesale contractual demand and to provide storage in the lower basin to support efficiency in system operations.
- **Need:** Storage capacity near the Brazos River allowing the storage of authorized diversions from the Brazos River for subsequent release to meet demand in the lower basin.
  - Key efforts
    - Demand Workshop
    - Coordination on the BRA Water Management Plan and Contract Allocation Methodology
    - Coordination with alternatives analysis and developing a “straw-man” P&N

Central Basin and Lower Basin Long-Term Water Requests: Customer Evaluations

Compile BRA data
- SWAA and SysOps Contracts
- Temporary resale agreements
- Historical BRA water use

Review:
- LTW Request forms
- BRA contract decisions from 2019 and 2022

Evaluate 2026 Regional Water Plan data
- Demand projections
- Existing supplies
- Recommended water management strategies

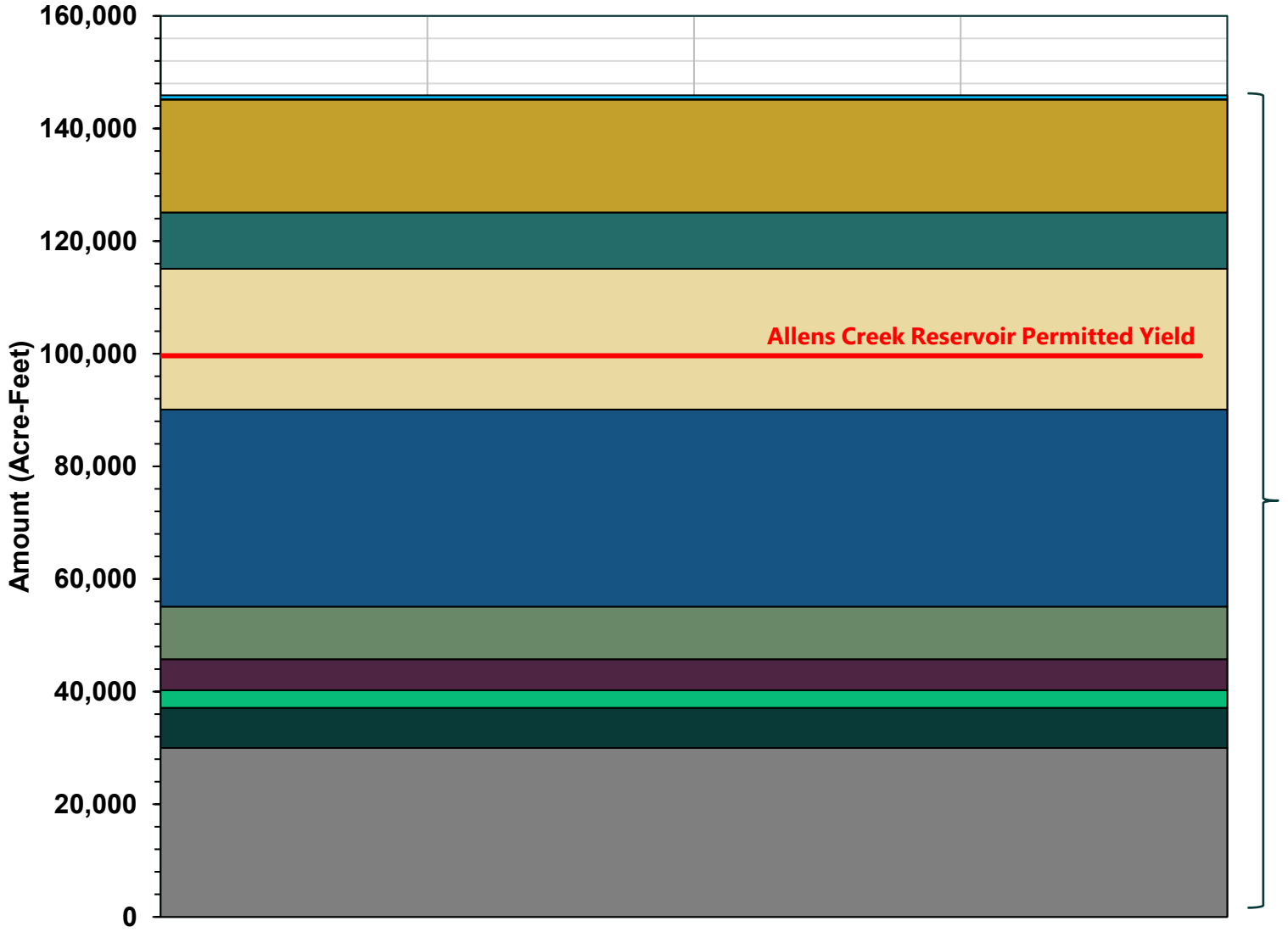
Research local planning documents
- Alternative demand projections
- Additional system information

Conduct a Needs Analysis
- Determine how the long-term water request impacts future needs.

Document the Analysis
- Identify factors that could impact the request
- Qualitatively and Quantitatively

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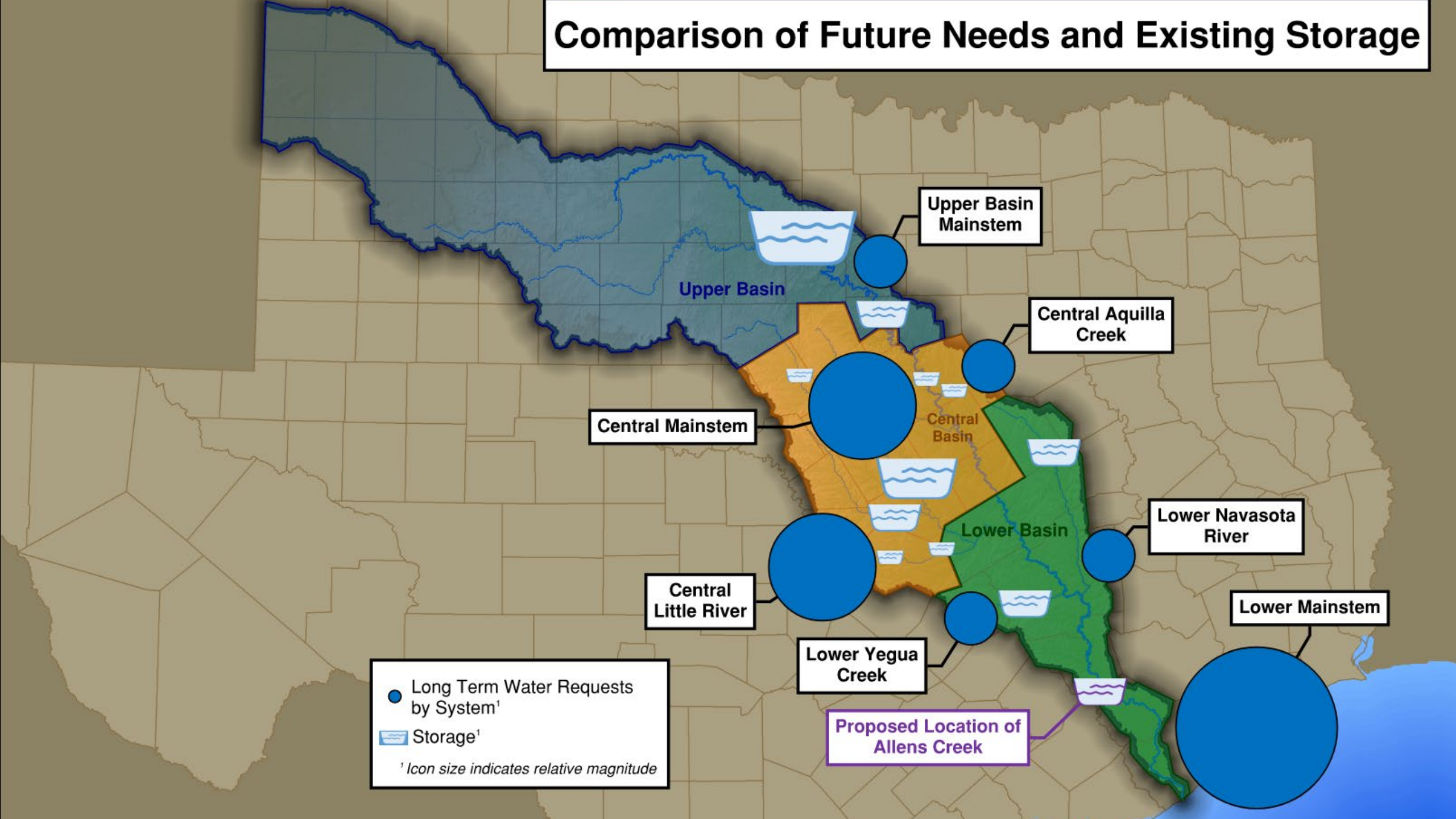
Purpose & Need Update: Potential Lower Basin Contract Requests

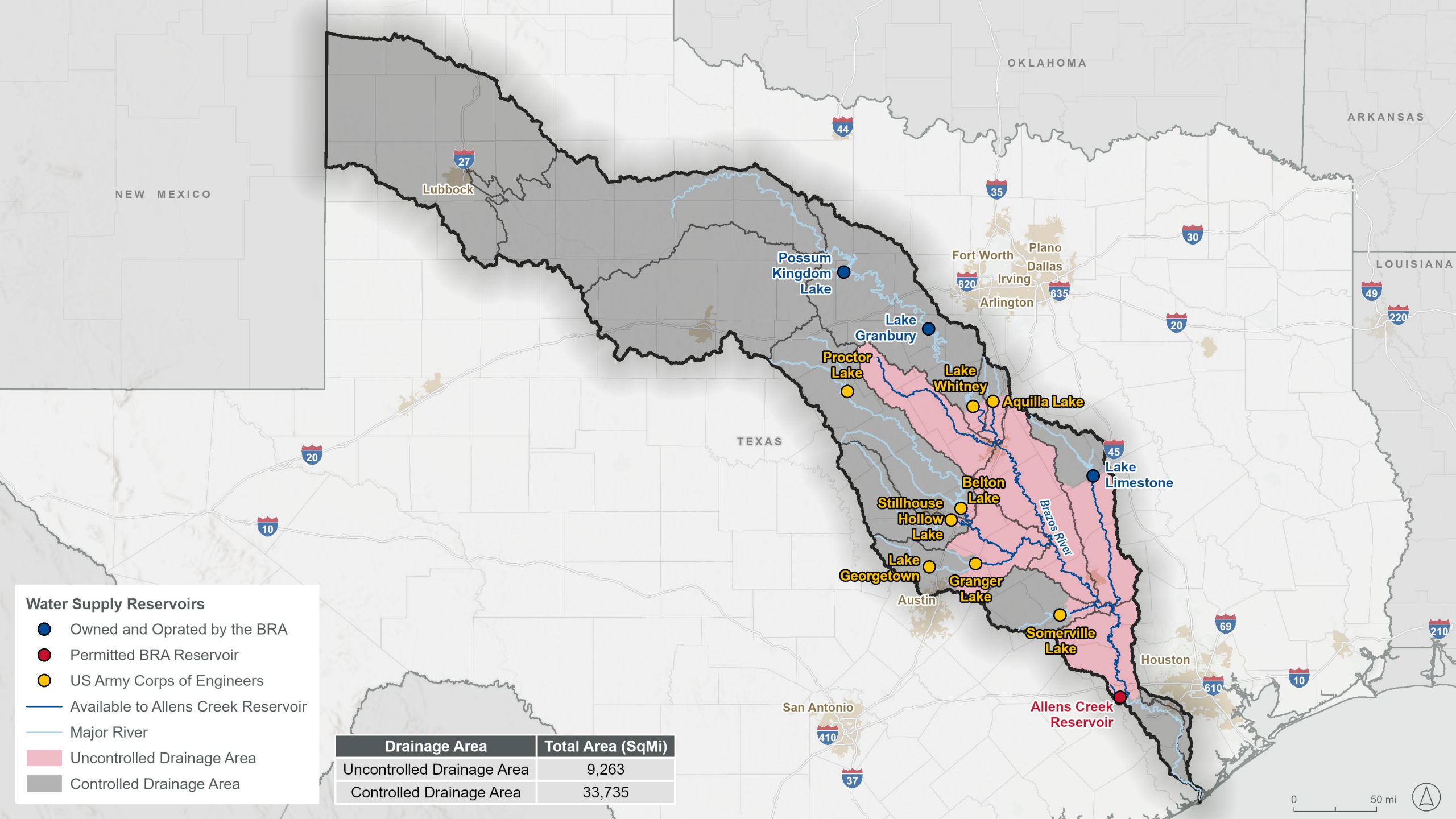


- Developing an additional questionnaire to:
  - Obtain updated Long-Term Water Contract request information tailored to USACE permitting
  - Increase LTW requests level of confidence

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Comparison of Future Needs and Existing Storage





Drainage Area	Total Area (SqMi)
Uncontrolled Drainage Area	9,263
Controlled Drainage Area	33,735

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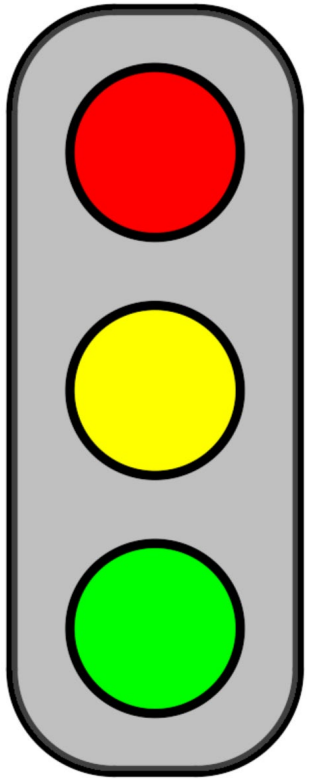
Alternative Analysis Update

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Alternative Analysis Process – Step 1

- **Step 1 - Purpose and Need Screening**

  - Dependable Water Supply
  - Lower Basin Storage
  - Timely Delivery



Disposition

Does not meet

Additional information needed

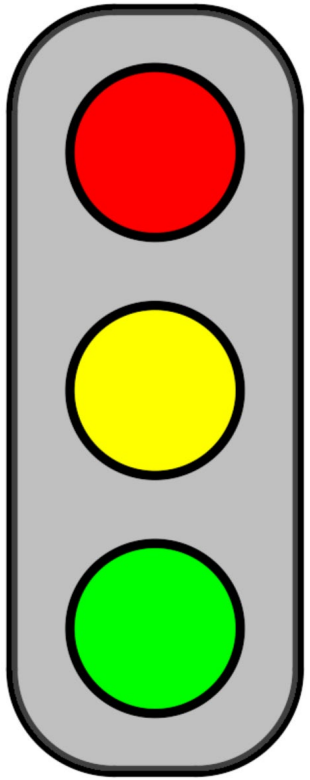
Potentially or partially meets

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Alternative Analysis Process – Step 2

- **Step 2 – Practicability Screening**

  - Water Availability
  - Logistically Feasible
  - Proven Technology
  - Reasonable Cost



Disposition

Does not meet

Additional information needed

Potentially or partially meets

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Alternative Analysis Summary

- 29 Alternatives of various types identified
- Purpose & Need Screening (**Step 1**)
  - 19 Alternatives eliminated
  - All Off-Channel Reservoir Options retained
  - No Action Baseline retained (as required by law)
- Practicability Screening (**Step 2** – ongoing)
  - 2 Remote off-channel reservoirs
  - 1 Combination alternative (ACR site coupled with ASR)
  - 6 ACR layout variations

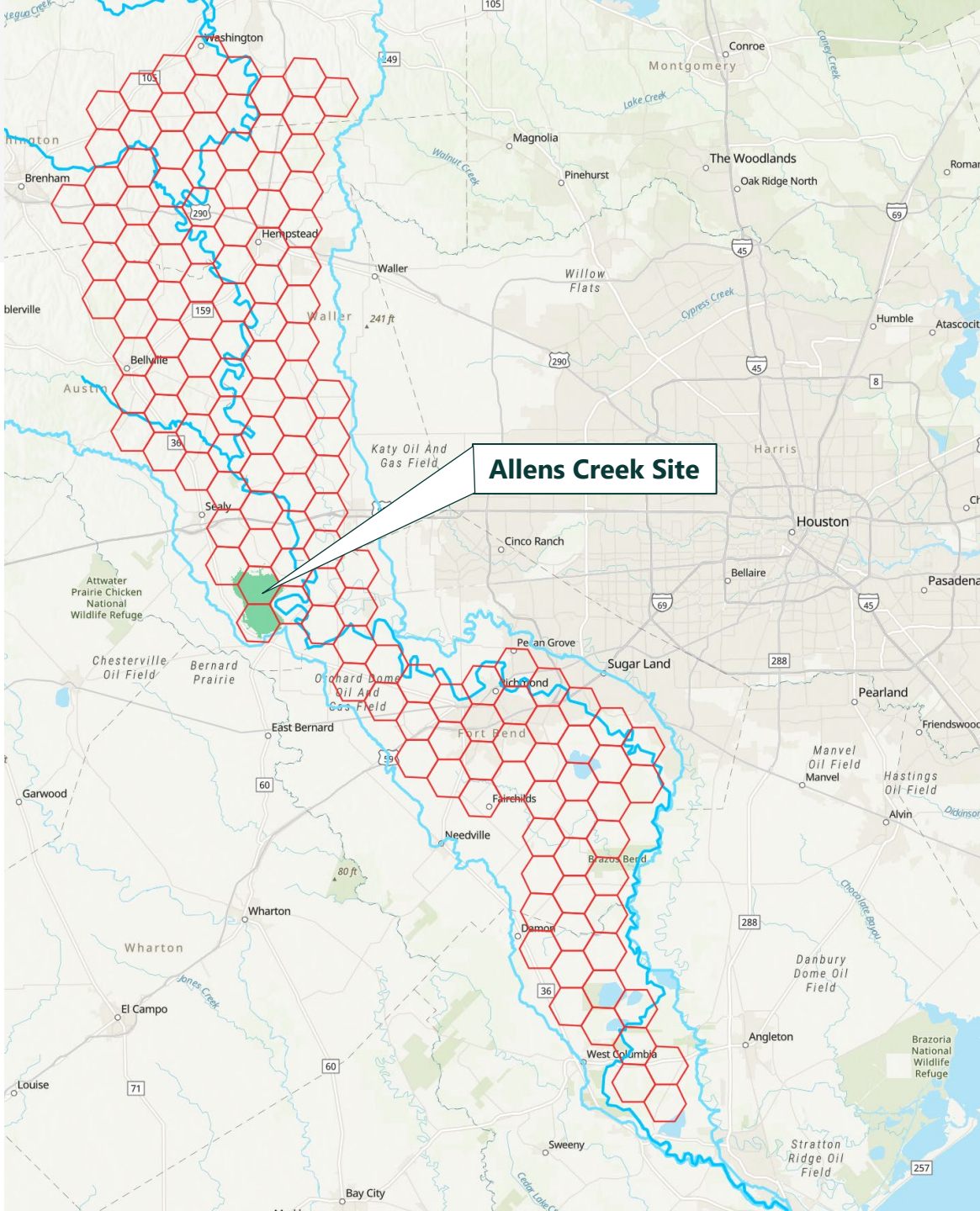
Purpose & Need Screening Summary

ID	Standalone Water Management Strategy	Proposed Disposition – Purpose and Need
WMS-1	On-Channel (Brazos River) Reservoirs	Eliminate from Further Consideration
WMS-2	Aquifer Storage and Recovery	Eliminate from Further Consideration
WMS-3	Local Fresh-Groundwater Development	Eliminate from Further Consideration
WMS-4	Remote Groundwater Import	Eliminate from Further Consideration
WMS-5	Water-Reuse Strategy	Eliminate from Further Consideration
WMS-6	Incremental Water Conservation and Demand Management	Eliminate from Further Consideration
WMS-7	Incremental BRA System-Operations Optimization	Eliminate from Further Consideration
WMS-8	Inter-Basin Transfer	Eliminate from Further Consideration
WMS-9	Regional or Wholesale Supply Purchase	Eliminate from Further Consideration
WMS-10	Seawater Desalination	Eliminate from Further Consideration
WMS-11	Brackish-Groundwater Development and Desalination	Eliminate from Further Consideration
WMS-12	Combination Alternatives	Additional Information Needed
WMS-13	Off-Channel (Brazos River) Reservoirs	Retain
WMS-14	Existing Reservoir Reallocation	Eliminate from Further Consideration
NA-1	Required No Action Baseline Alternative	Retain (per 33 CFR 333.23(b)(3)(v))

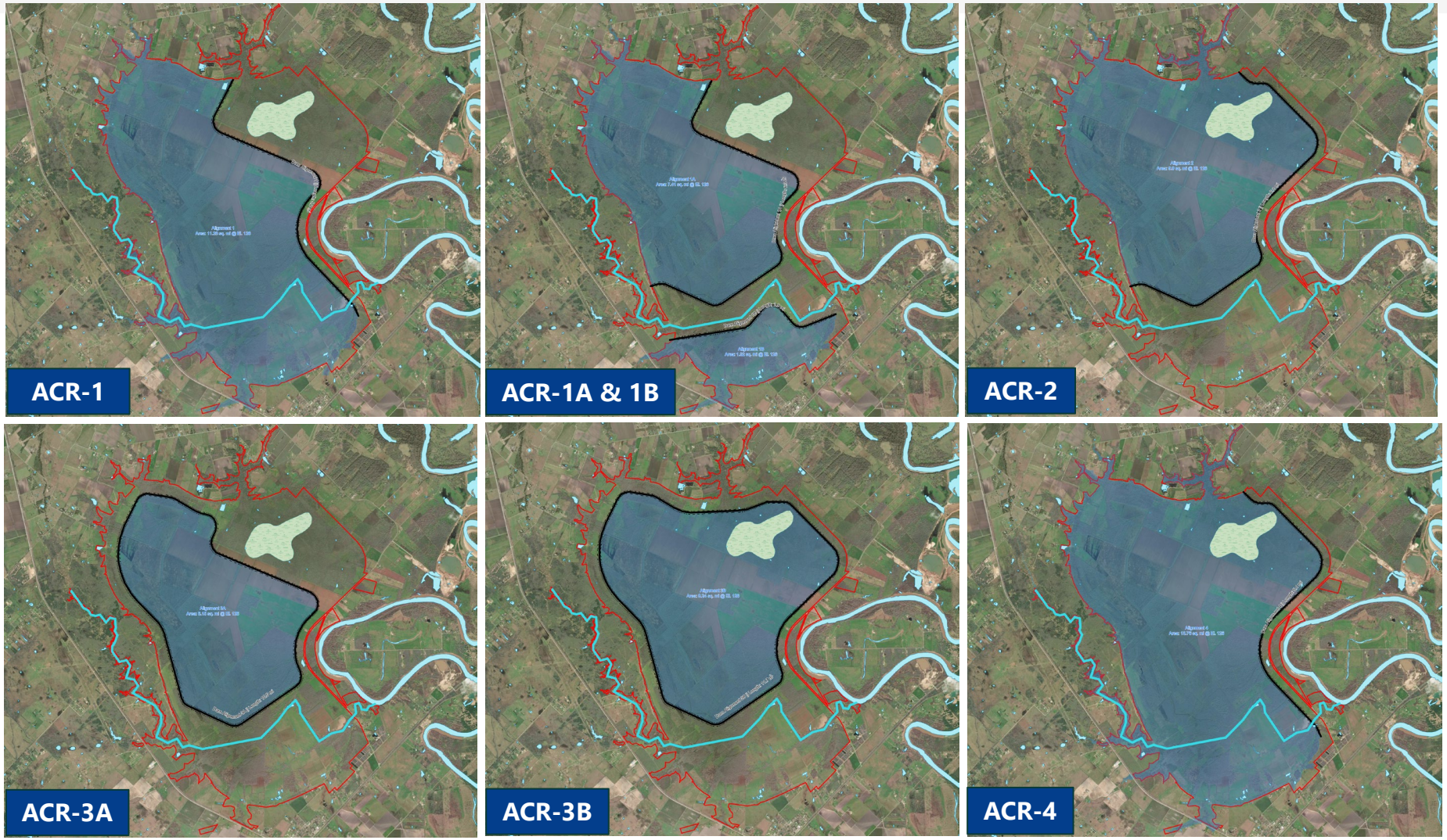
Alternative Analysis

- Practicability Screening (ongoing)
  - Screening is a required part of the permit process
  - 95% of the GIS survey area has been screened
  - This portion of the screening will be complete by the end of the year

- Allens Creek Site
  - Six (6) reservoir configurations, all will meet practicability screening (supported)



Alternatives Analysis – ACR Sites (supported)



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05

Permitting Update

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Thank You