

# 2026 Standards Revision

## Site-specific criteria changes

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March 2025

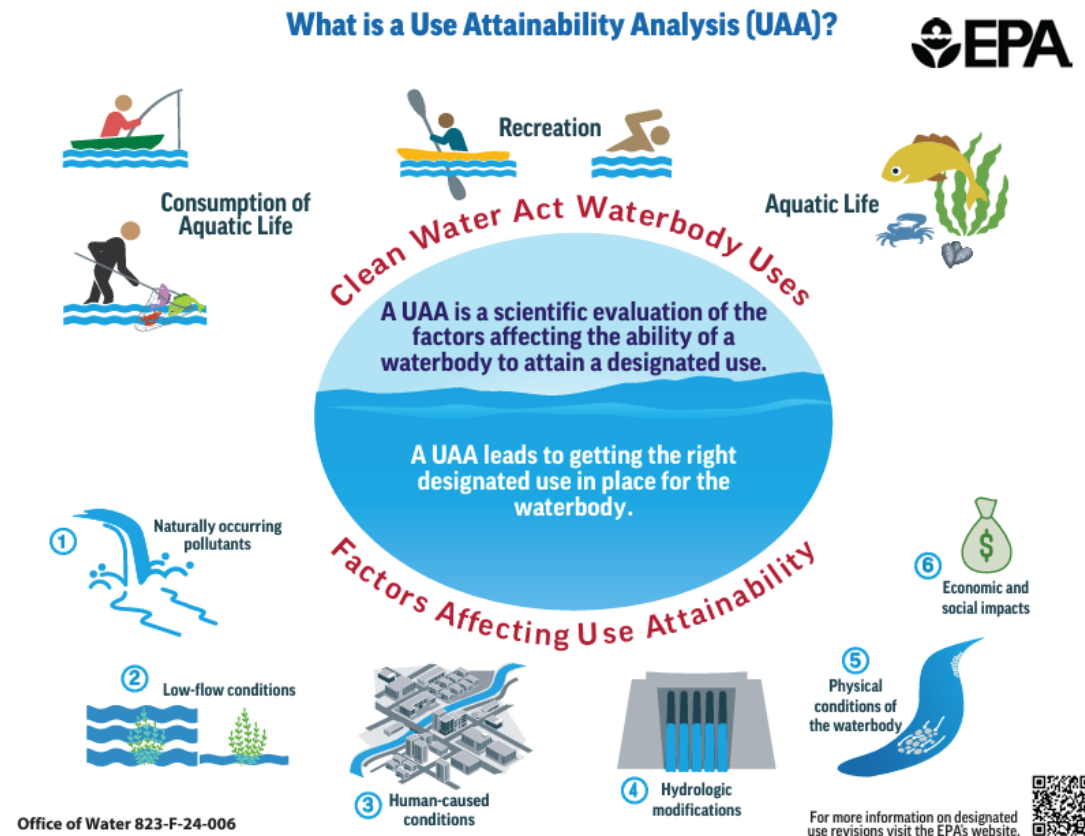


# Site-specific Changes

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- ❖ Appendix A – Site-specific Uses and Criteria for Classified Segments
- ❖ Appendix C – Segment Descriptions
- ❖ Appendix D – Site-specific Uses and Criteria for Unclassified Water Bodies

# Use-Attainability Analysis (UAA)



- A UAA evaluates whether specific water quality standards, like dissolved oxygen levels, are realistically achievable in a water body.
- It ensures standards are both protective and attainable given natural conditions.
- UAAs are conducted when current standards are not met or when there's a need to reclassify the designated uses or criteria of a water body.

[illegible]

## Uses

- Recreational use: PCR1
- Aquatic life use: High
- Drinking water supply use: PDWS

- Bacteria (*E. coli* #100 mL): 126
- Dissolved oxygen (mg/L): 5

Once sufficient environmental data has been collected, criteria for  $\text{Cl}^{-1}$ ,  $\text{SO}_4^{-2}$ , TDS, pH and temperature will be evaluated and proposed for the next TSWQS revision.

2026 TSWQS Revision | SWQSAWG Meeting March 2025

# Appendix A – Leon Creek

## Current description of Lower Leon Creek and Upper Leon Creek

Segment	Waterbody	Flow regime	Aquatic Life Use	24-hr DO avg (mg/L)	24-hr DO min (mg/L)
1906	Lower Leon Creek	Perennial	High	5	3
1907	Upper Leon Creek	Perennial	High	5	3

## Recommended revisions for Upper Leon Creek

Segment	Waterbody	Flow regime	Aquatic Life Use	24-hr DO avg (mg/L)	24-hr DO min (mg/L)
1906	Lower Leon Creek	Perennial	High	5	3
1907	Upper Leon Creek	Intermittent with perennial pools	Intermediate	4	3

# Leon Creek UAA

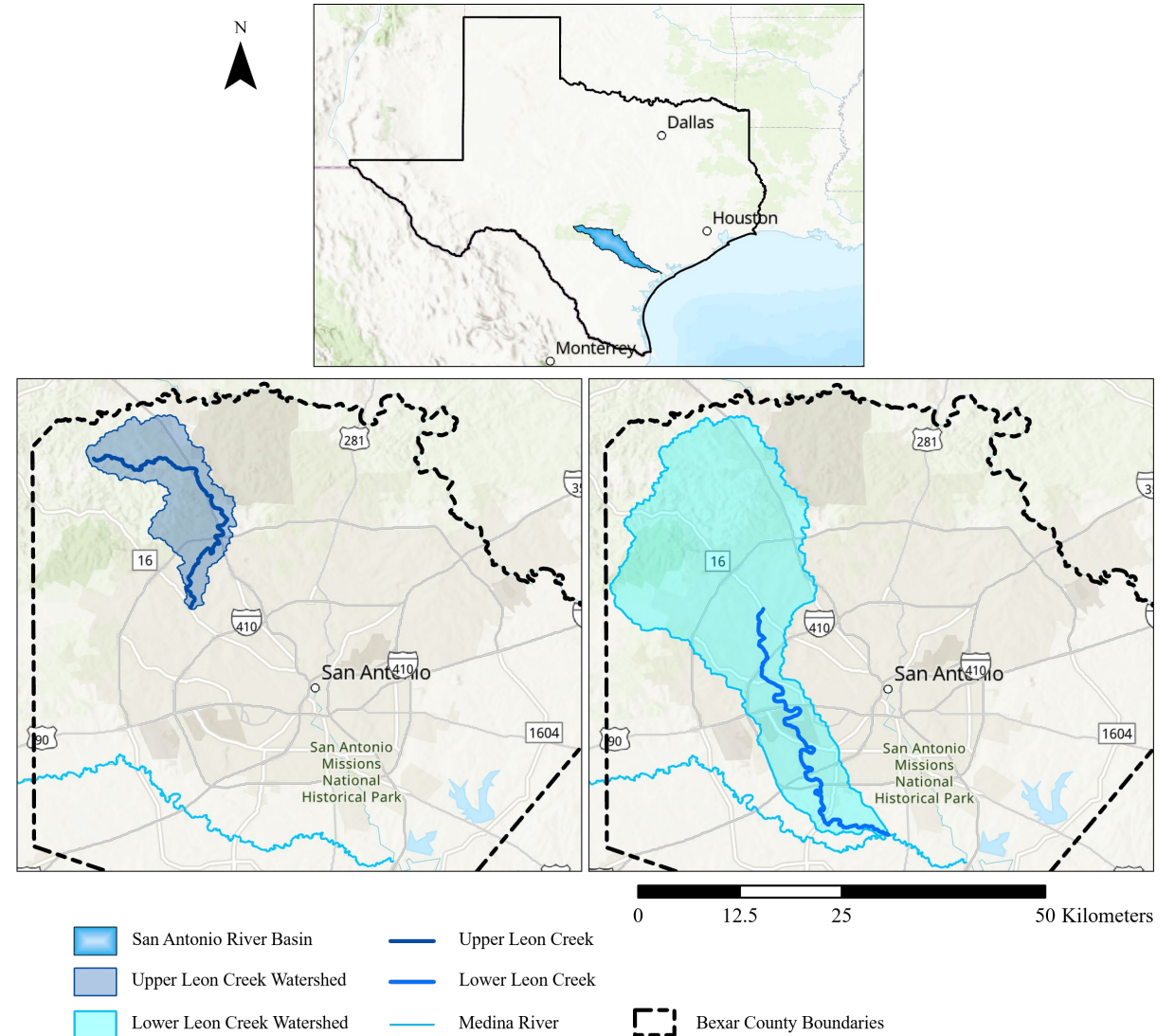
**Lower Leon Creek UAA: 2014 – 2016**

**Upper Leon Creek UAA: 2021 – 2024**

**Evaluation:**

- Stream discharge
- Aquatic life
- Water quality

**Surface Water Quality Monitoring  
Procedures Vol. 1 & 2**



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# Lower Leon Creek UAA

Split by flow regime into two sections:

## **Upper section**

- Intermittent with perennial pools
- Intermediate ALU
- DO criteria: 4 mg/L (24-hr average)

## **Middle and downstream section**

- Perennial
- High ALU
- DO criteria: 5 mg/L (24-hr average)



Lower Leon Creek at SH 16 (SARA)

# Upper Leon Creek UAA

- Entire segment is intermittent with perennial pools
- Intermediate ALU
- DO criteria: 4 mg/L (24-hr average)



**Upper Leon Creek at Prue Road Trailhead  
June 2023**



**Upper Leon Creek at Prue Road Trailhead  
July 2023**



# Site-specific changes

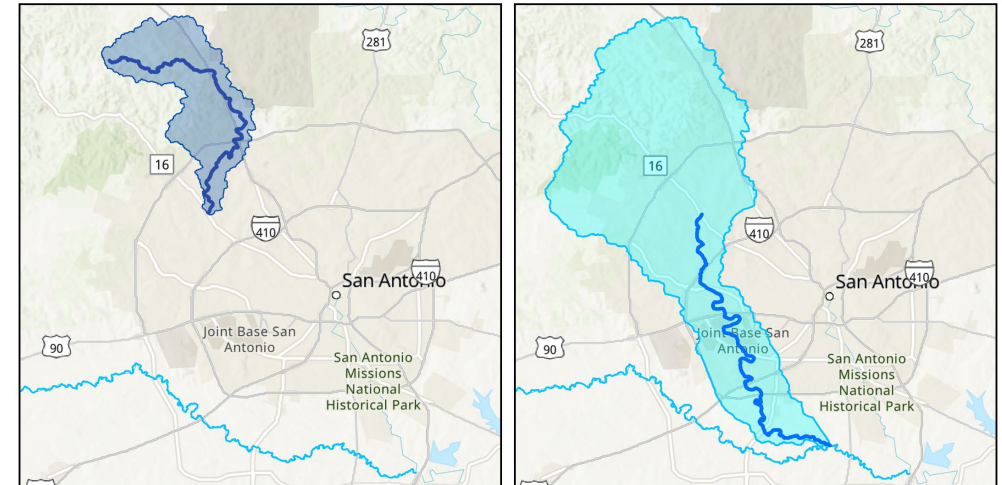
## Upper Leon Creek (1907):

- Flow regime: Intermittent with perennial pools
- ALU: Intermediate
- DO criteria: 4 mg/L (24-hr average)

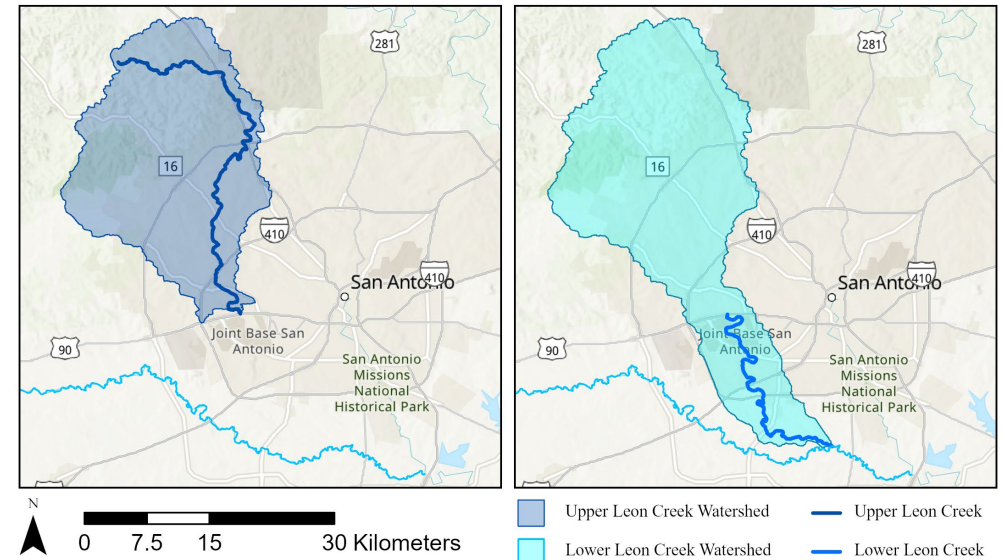
## Lower Leon Creek (1906):

- Flow regime: Perennial
- ALU: High
- DO criteria: 5 mg/L (24-hr average)

Current segment boundaries



Proposed segment boundaries



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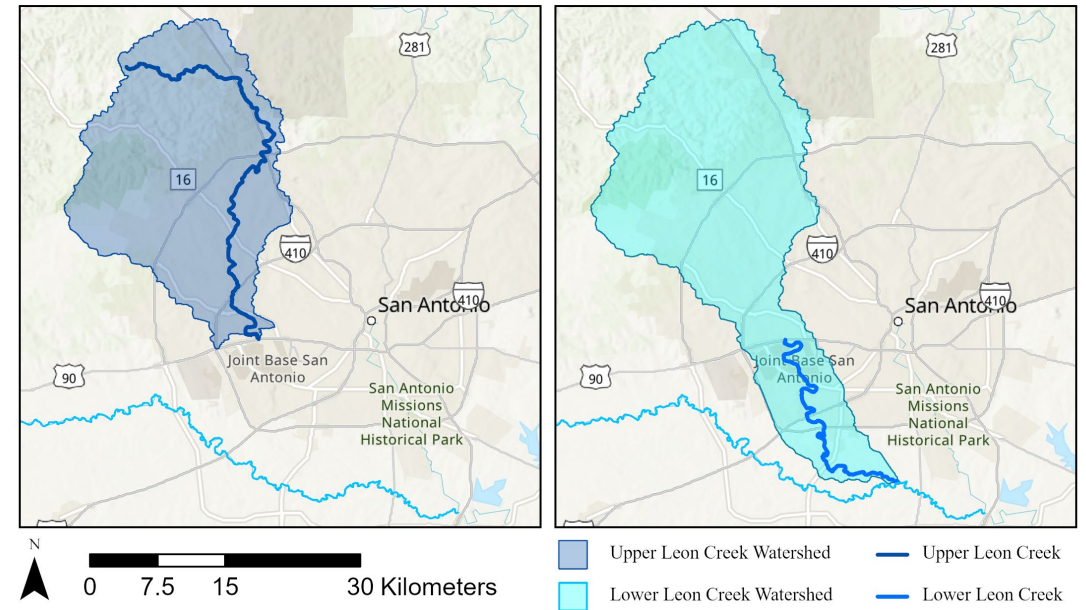
# Appendix C – Lower and Upper Leon Creek

## Recommended segment descriptions

**Lower Leon Creek (1906)** – from the confluence with the Medina River in Bexar County to US 90 on the west side of San Antonio in Bexar County.

**Upper Leon Creek (1907)** – from a point 100 meters (110 yards) upstream of US 90 on the west side of San Antonio to a point 9.0 km (5.6 mi) upstream of Scenic Loop Road north of Helotes in Bexar County

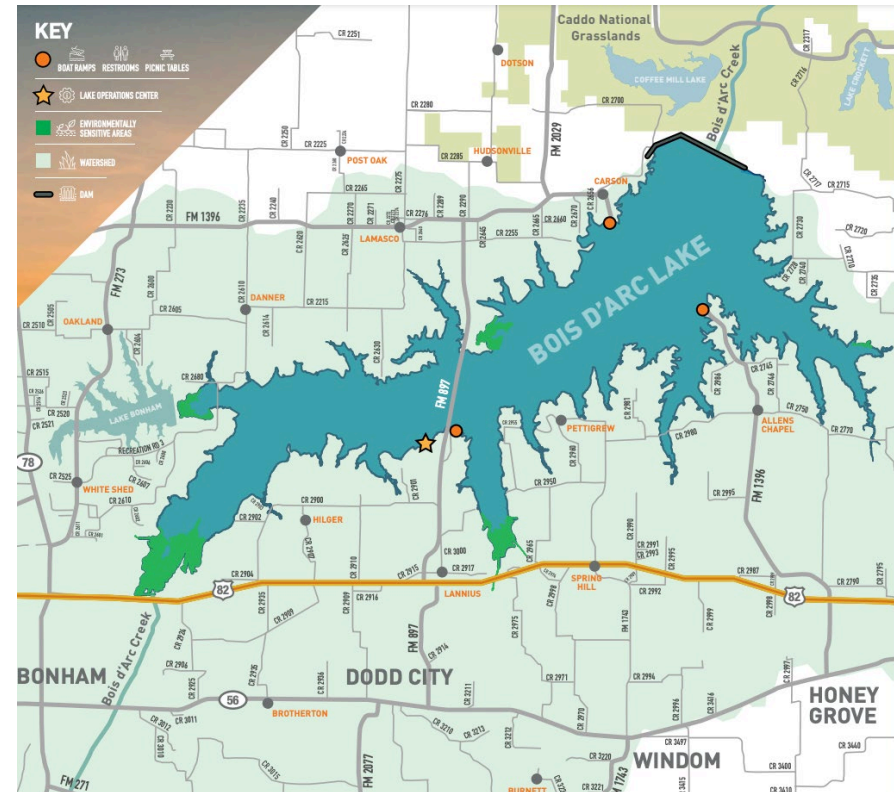
Proposed segment boundaries



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# Appendix C – Bois d’Arc Lake

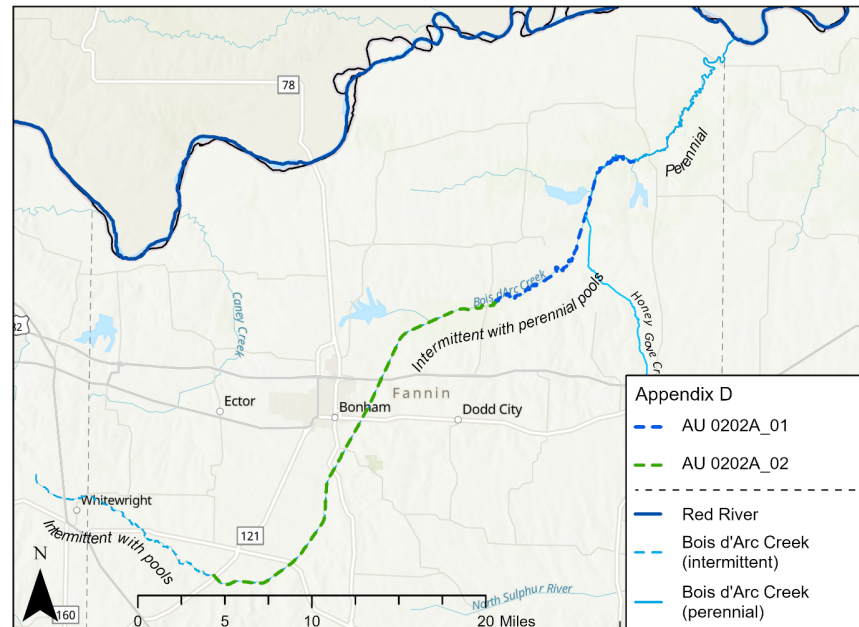
**Bois d’Arc Lake**— from Bois d’Arc Lake Dam in Fannin County up to the normal pool elevation of 534 feet.



[boisdarclake.org](http://boisdarclake.org)

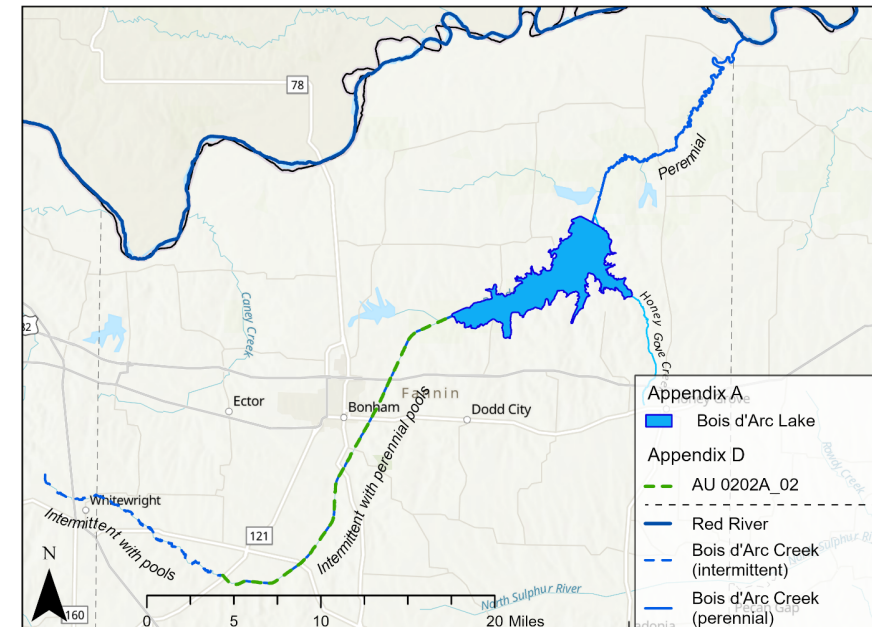
# Appendix D – Bois d’Arc Creek (0202A)

Bois d’Arc Lake impounded a section of Bois d’Arc Creek, including two assessment units (AUs) listed in Appendix D.



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# Appendix D – Bois d’Arc Creek (0202A)

Assessment unit	Waterbody	Description	Recommended changes
0202A_01	Bois d’Arc Creek	Intermittent stream with perennial pools from the confluence with Sandy Creek near Davy Crockett Lake upstream to the confluence with Sandy Creek north of the city of Dodd City.	Remove entry from Appendix D
0202A_02	Bois d’Arc Creek	Intermittent stream with perennial pools from the confluence with Sandy Creek north of the City of Dodd City upstream to the confluence with Pace Creek.	Revise UA description: Intermittent stream with perennial pools from the confluence with Bois d’Arc Lake near FM 897 upstream to the confluence with Pace Creek.

# Appendix D – Cypress Creek (0502E)

## Cypress Creek (Sabine River Basin)

- Unclassified stream
- Stream flow type: Perennial
- ALU: High (presumed)
- DO criteria: 5 mg/L (24-hr average)
- 2010 303(d) list: Depressed DO

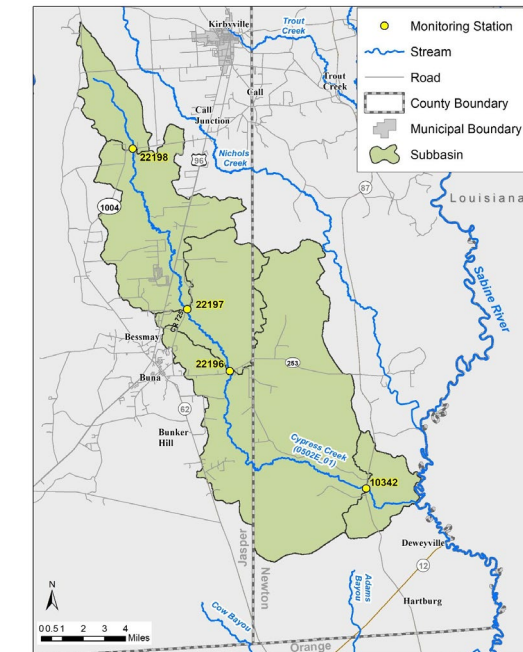


## Cypress Creek UAA

- Objective: Establish the appropriate ALU and DO criteria for Cypress Creek.
- Conducted in 2020 and 2021 (TIAER)

## Assessment

- Stream discharge
- Water Quality
- Aquatic life



# Appendix D – Cypress Creek (0502E)

## UAA results

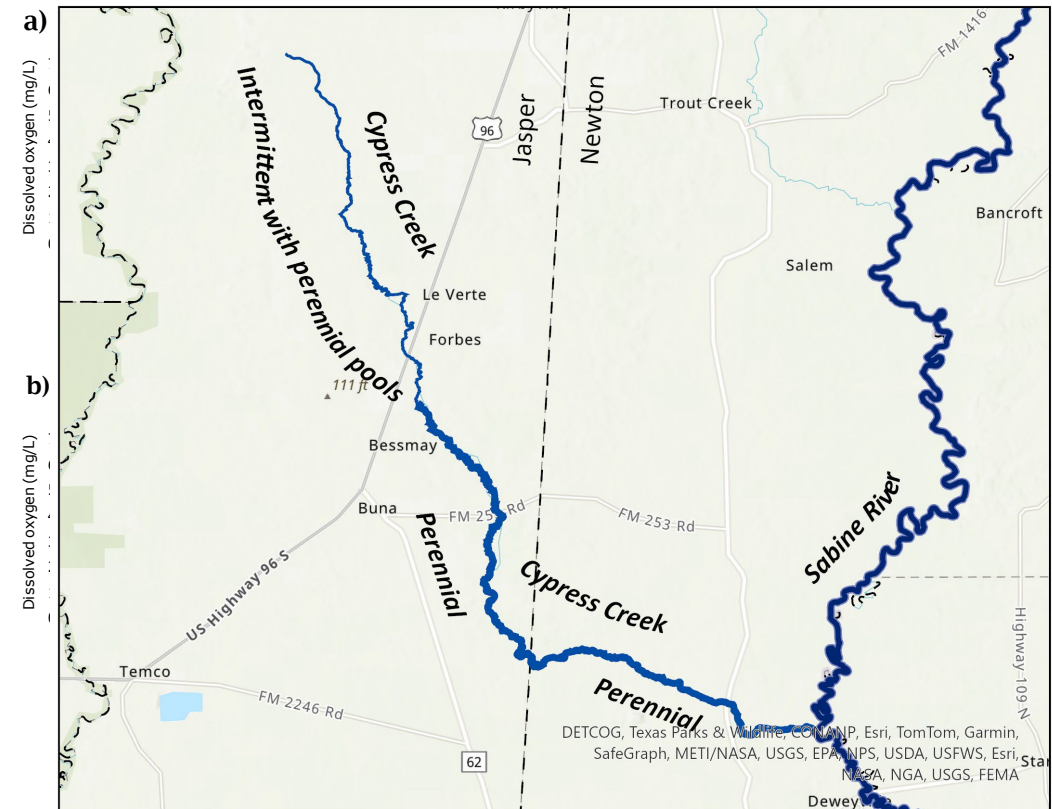
Split waterbody into two different sections based on flow regime:

**Cypress Creek:** Perennial stream from its confluence with the Sabine River to the confluence with Long Branch, 6.5 km (4 mi) downstream of US 96 S, north of Buna.

➤ ALU: High

➤ DO criteria:

- 24-hr average: 2.5 mg/L
- 24-hr minimum: 1.5 mg/L



rainfall occurred in the Cypress Creek watershed before data collection.

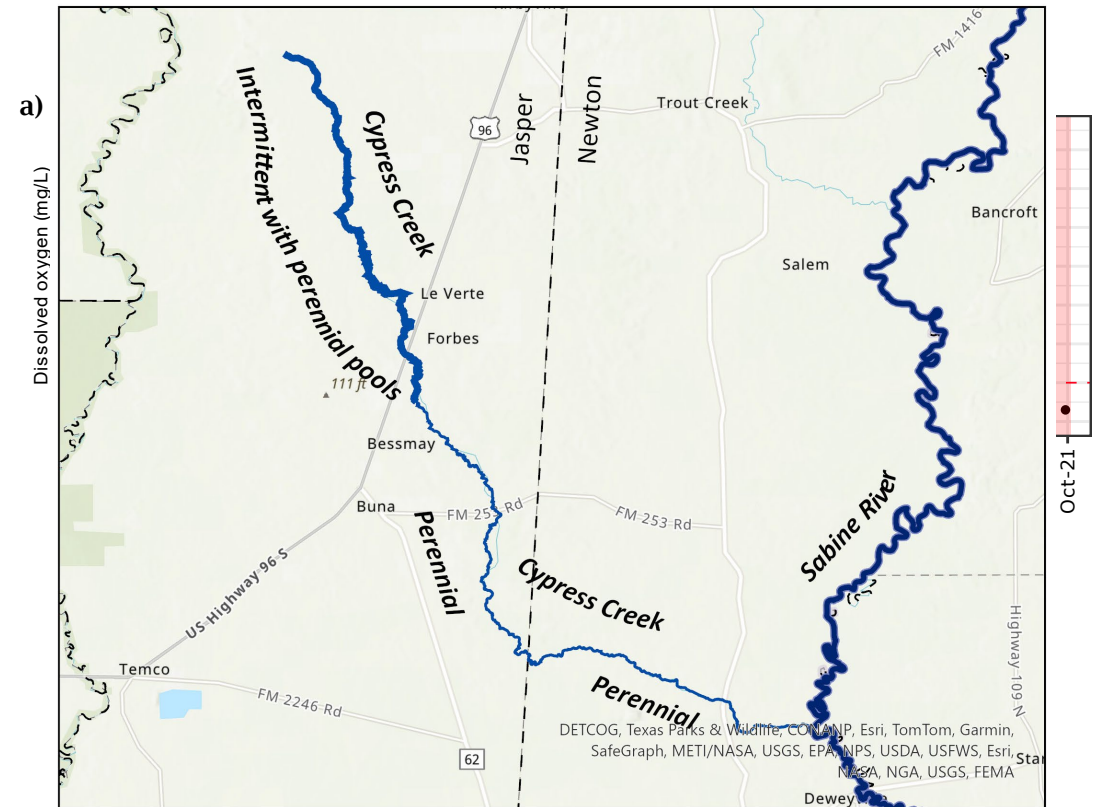
# Appendix D – Cypress Creek (0502E)

## UAA results

Split waterbody into two different sections based on flow regime:

**Cypress Creek:** Intermittent with perennial pools from the confluence with Long Branch upstream to the headwaters, 500 m (0.3 mi) south of FM 82, east of Kirbyville.

- ALU: Limited
- DO criteria:
  - 24-hr average: 1.5 mg/L
  - 24-hr minimum: 1.0 mg/L





# Site-specific changes 2026 TSWQS

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## Summary

### Appendix A – Site-specific Uses and Criteria for Classified Segments

- New segment – Bois d’Arc Lake
- Revise flow regime, ALU and DO criteria for Upper Leon Creek (1907)

### Appendix C – Segment Descriptions

- Bois d’Arc Lake
- Lower Leon Creek (1906)
- Upper Leon Creek (1907)

### Appendix D – Site-specific Uses and Criteria for Unclassified Water Bodies

- Bois d’Arc Creek (0202A)
- Cypress Creek (0502E)

# Ongoing WQS projects

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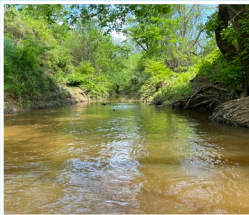


## **Nichols Creek UAA (0502E)**

Listed on the 2002 303(d) list for depressed DO

Contract project in FY22/23 and 24/25

Field work delayed due to drought conditions; project will be completed in August 2025



## **Hurricane Bayou UAA (unclassified to Segment 0804)**

WQS in-house project

Field work started in Spring 2023; expected to be completed by Summer 2025

# Thank you!

## Questions or comments?



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