



Houston-Galveston
Area Council

NATURAL RESOURCES ADVISORY COMMITTEE

AGENDA

Thursday, August 6, 2026, 1:30 PM

In-Person Meeting

NRAC Agenda

1. Call to Order/Welcome

2. Warm-up

Why Do So Many Houston Area Streams Run from West to East, and Why is That Important?

**Tom Douglas
Natural Resources Advisory Committee
August 6, 2026**

Adapted from <https://houstonparksboard.org/initiatives/bayou-greenways/>

VI



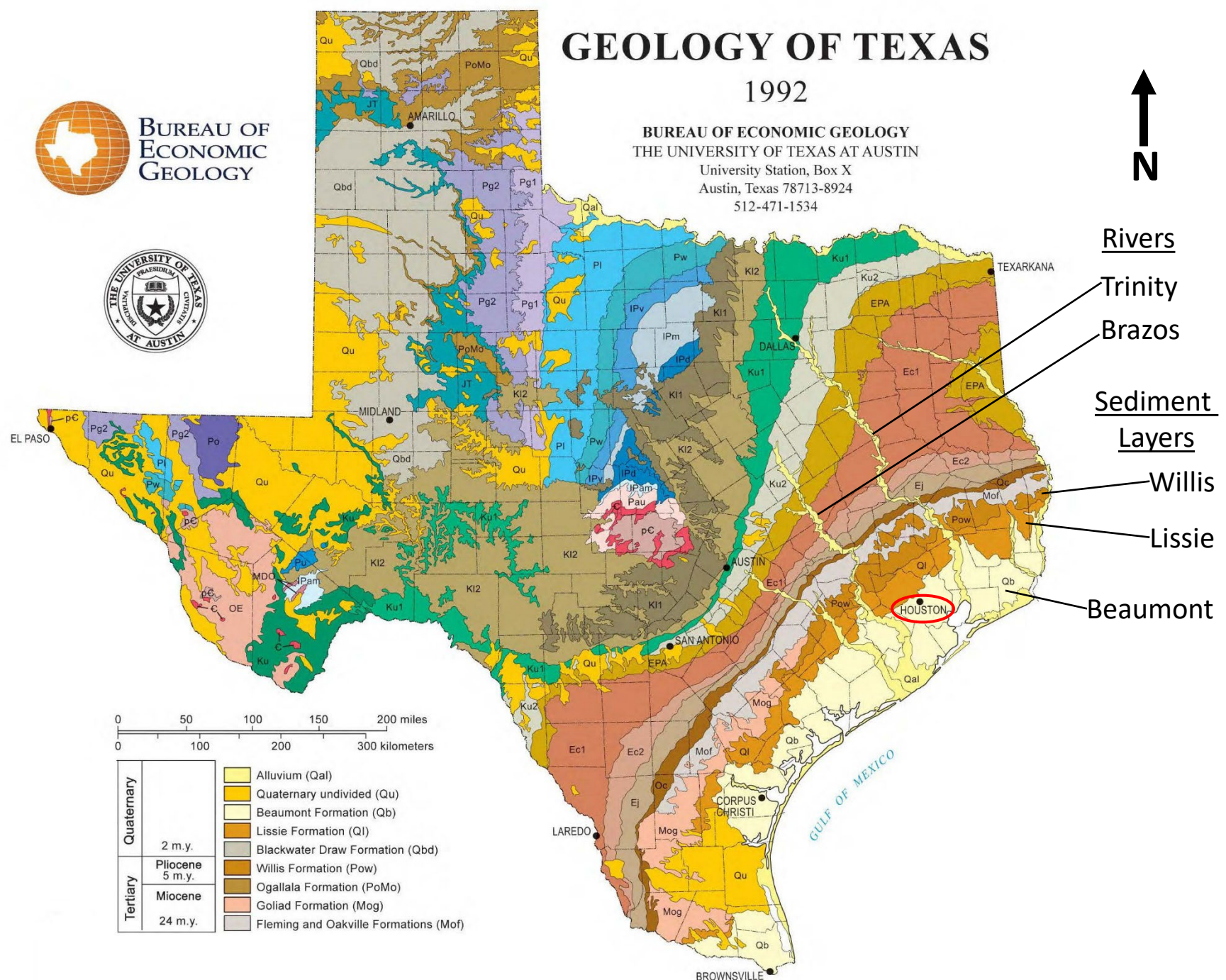
BUREAU OF
ECONOMIC
GEOLOGY



GEOLOGY OF TEXAS

1992

BUREAU OF ECONOMIC GEOLOGY
THE UNIVERSITY OF TEXAS AT AUSTIN
University Station, Box X
Austin, Texas 78713-8924
512-471-1534

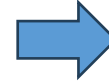


Adapted from <https://store.beg.utexas.edu/files/SM/BEG-SM0002D.pdf>, Van Siclen (1972)

The Brazos River Watershed is Large and Diverse



Llano Estacado, Tom Douglas

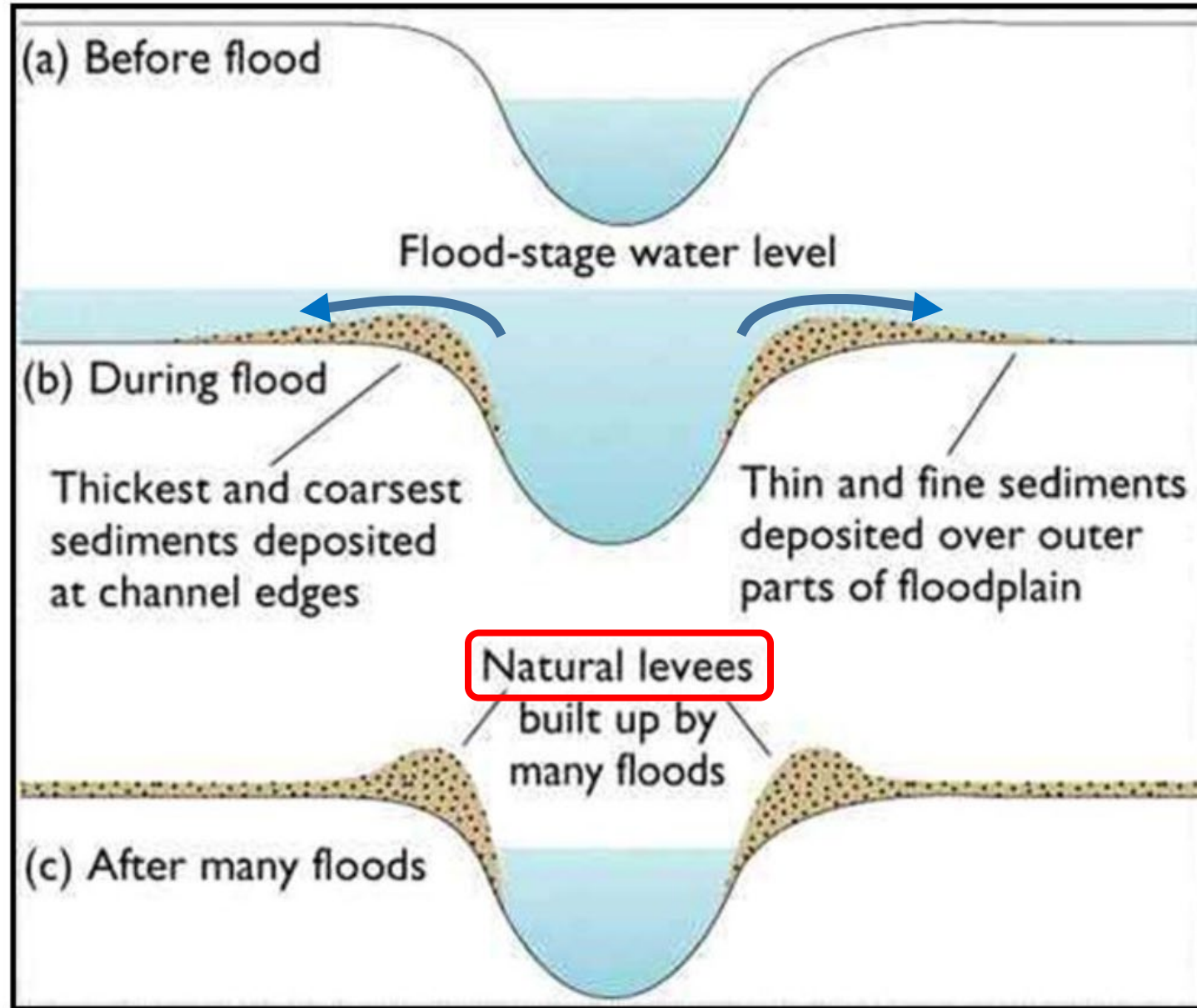


Brazos River Authority



Brazos River at Freeport, TX Google Earth 2/15/2010

Suspended Sediments Can Form Natural River Levees

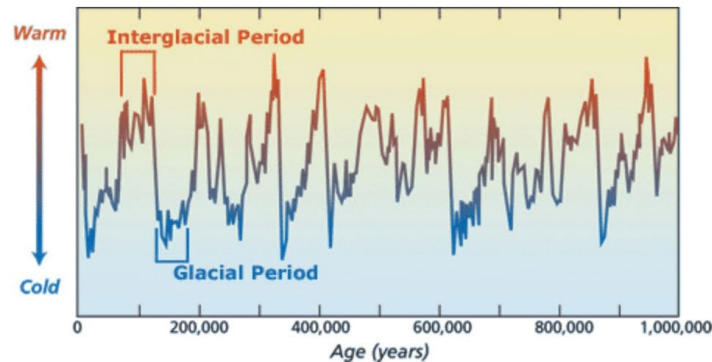


Over Time, Climate Changes Have Driven Sea Level Changes

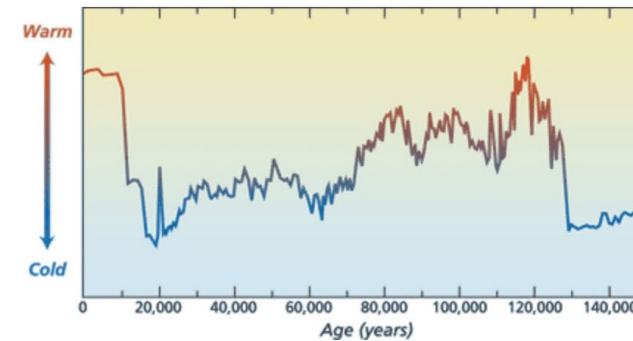
Ice Ages Timeline

Using chemical information collected from ice cores and from shells of organisms preserved in deep-sea sediments, geologists have been able to map out how Earth's climate has changed over time. Climate swings between cold periods, called glacials, and warm periods, called interglacials. We are currently in an interglacial period.

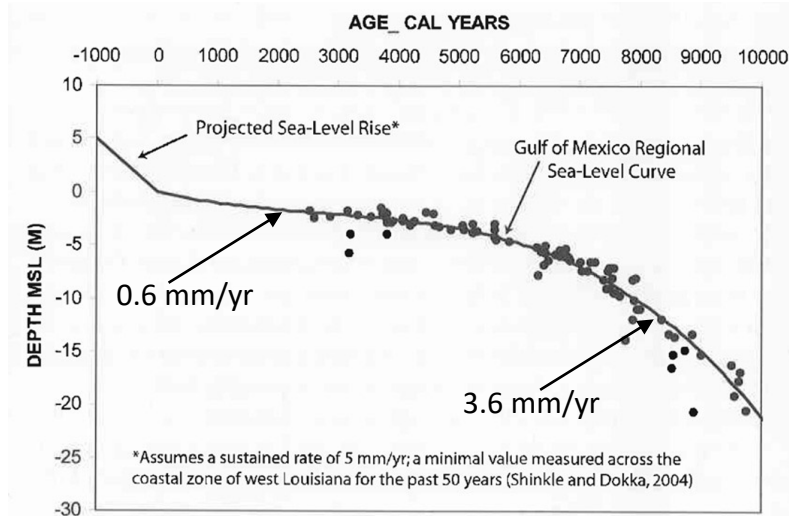
Past 1,000,000 years



Past 150,000 years



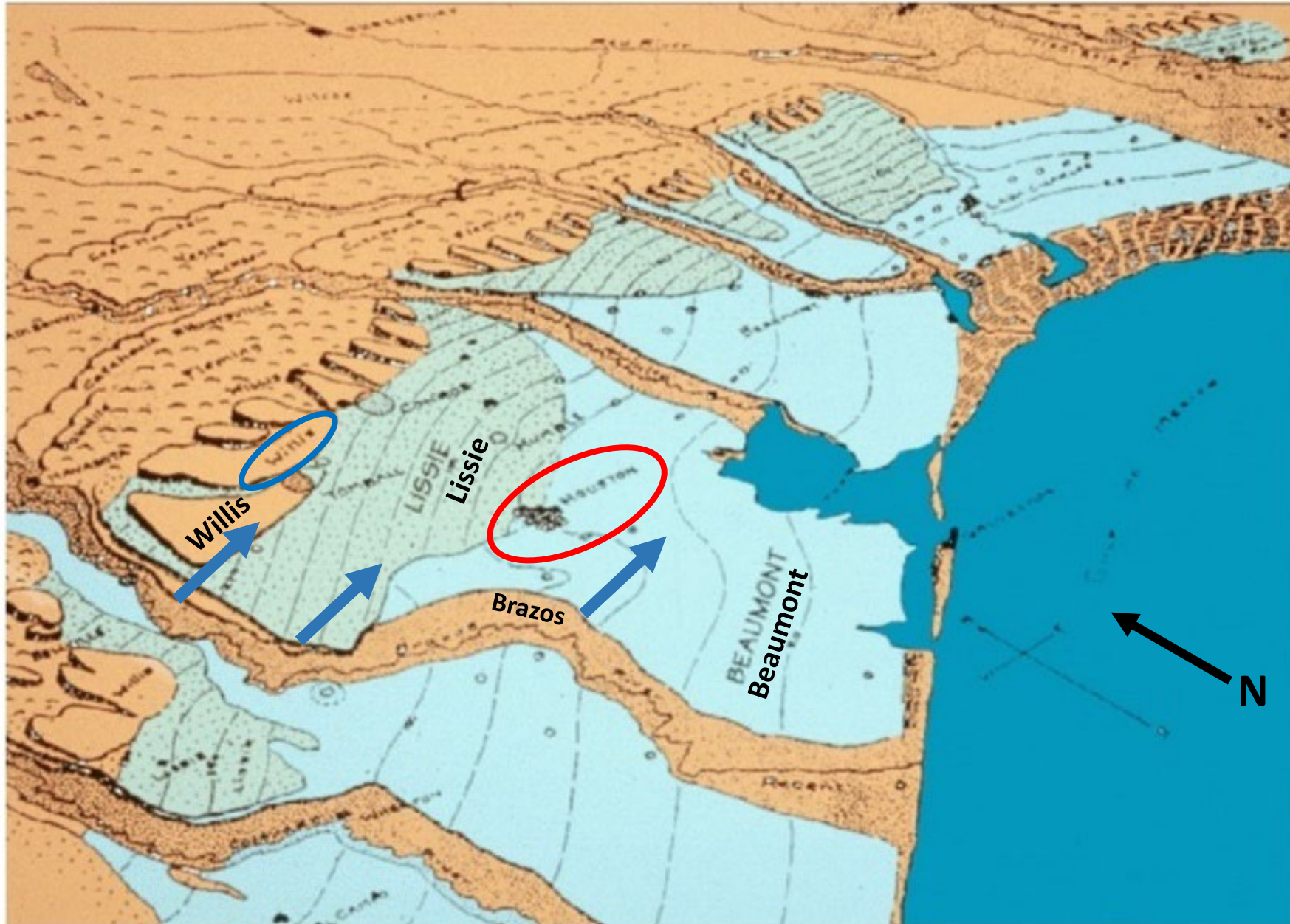
Dive and Discover <https://divediscover.whoi.edu/ice-ages/>



John B. Anderson (2007)

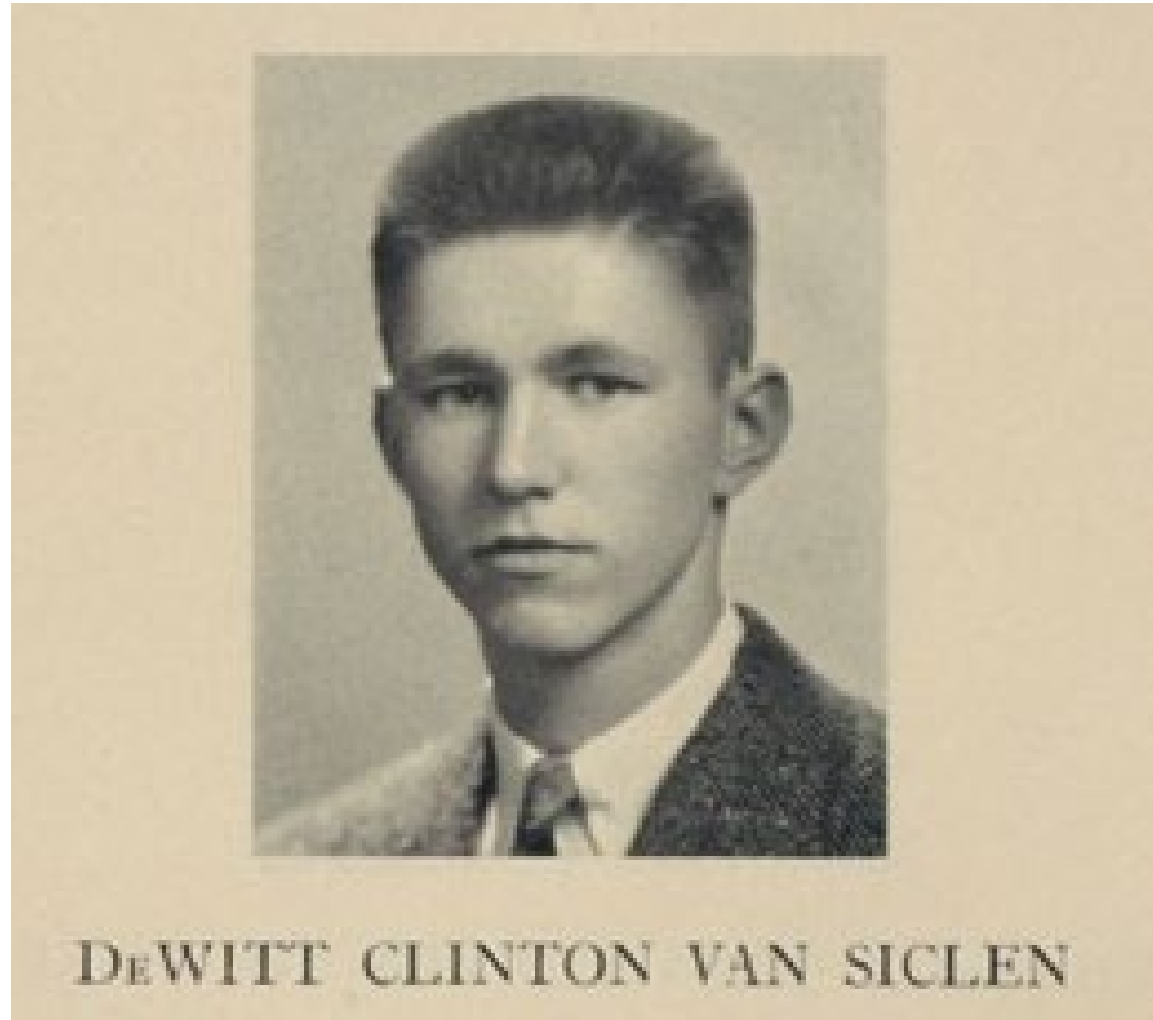


During Periods of High Sea Level, the Brazos Changed Course



Adapted from <https://tcwp.tamu.edu/wetland-education/>

DeWitt Van Siclen Mapped Out the Meander-Belt Ridges of the Lower Brazos River



[Princeton University: 1940 Nassau Herald](#)

Cypress Creek

Brazos River

Meander-Belt Ridges

Cypress Creek

One Selected
Meander-Belt Ridge

Harris County Boundary

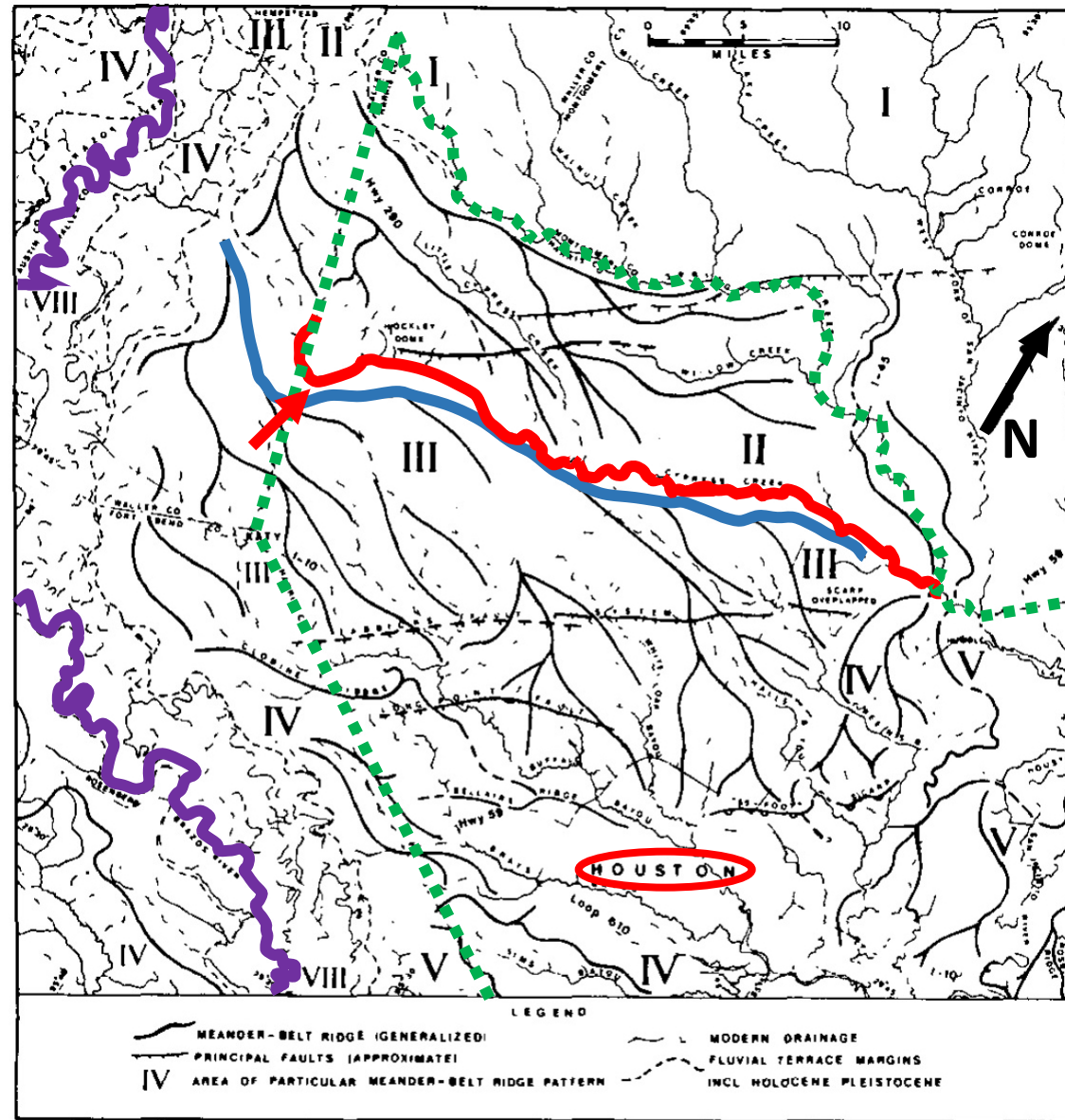


Figure 6. Reconstructed Middle and Early Pleistocene meander-belt ridge systems northwest of Houston. These pass into corresponding fluvial terraces along the Brazos River in the west corner of the figure.

Adapted from D.C. Van Siclen, 1985

Lobes of Sediment Track with Interglacial Periods of High Sea Level

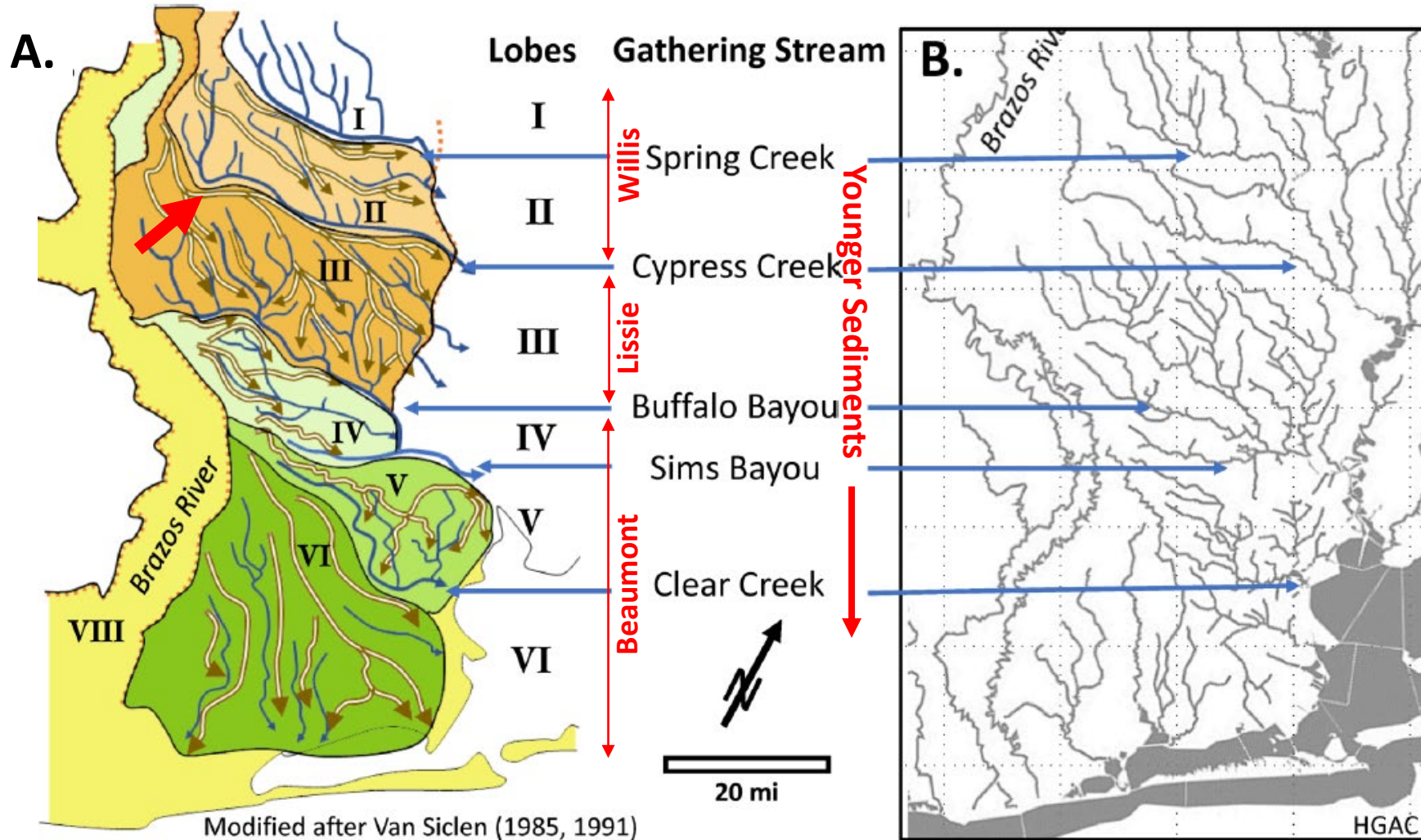
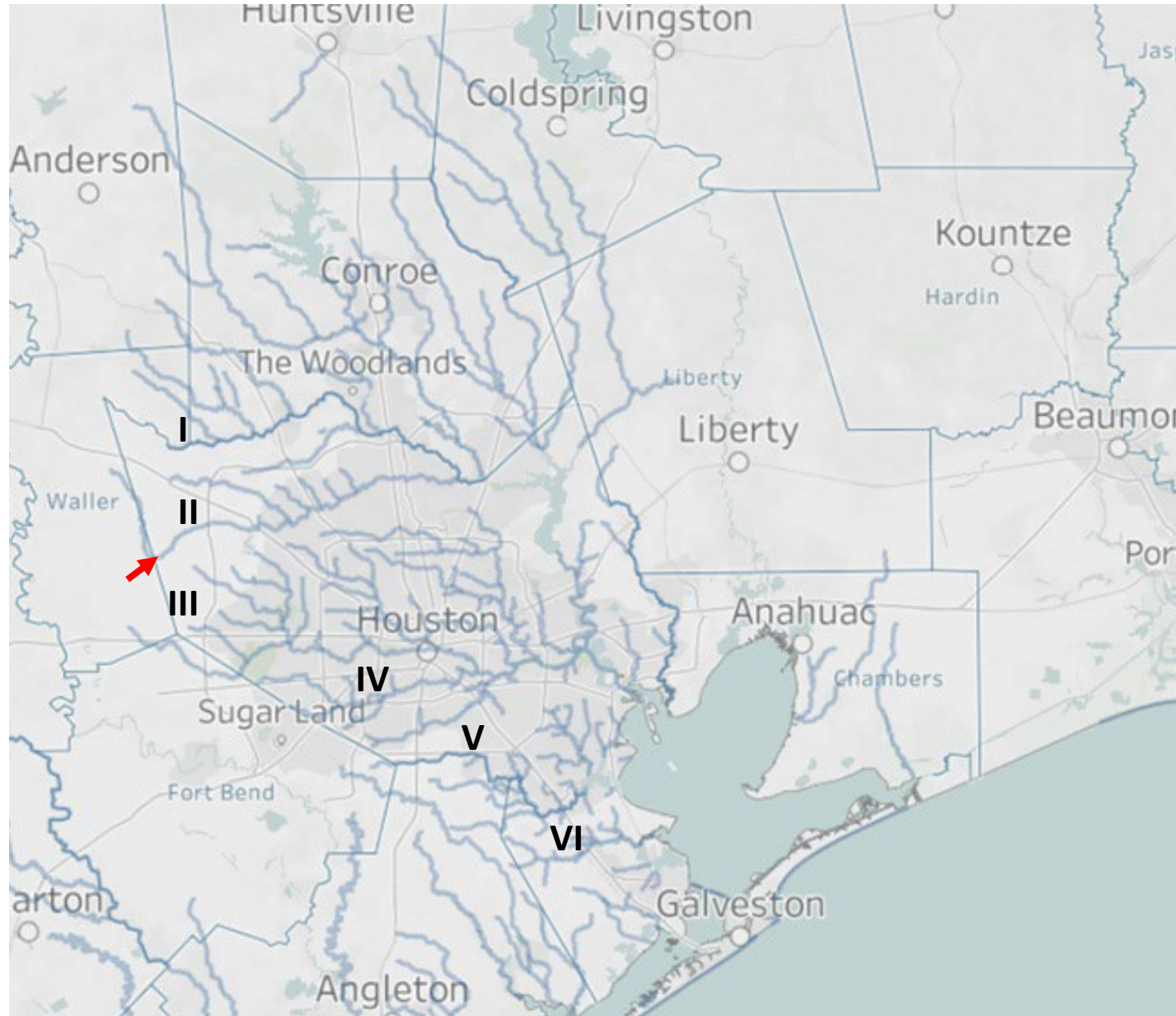


Figure 3. (A) Map of moderns streams (blue), Pleistocene meanderbelt ridges (double line), edge of Brazos geomorphic floodplain (red hatched), and Pleistocene depositional lobes (modified after Van Siclen, 1985, 1991). (B) Area drainage map (Houston-Galveston Area Council).

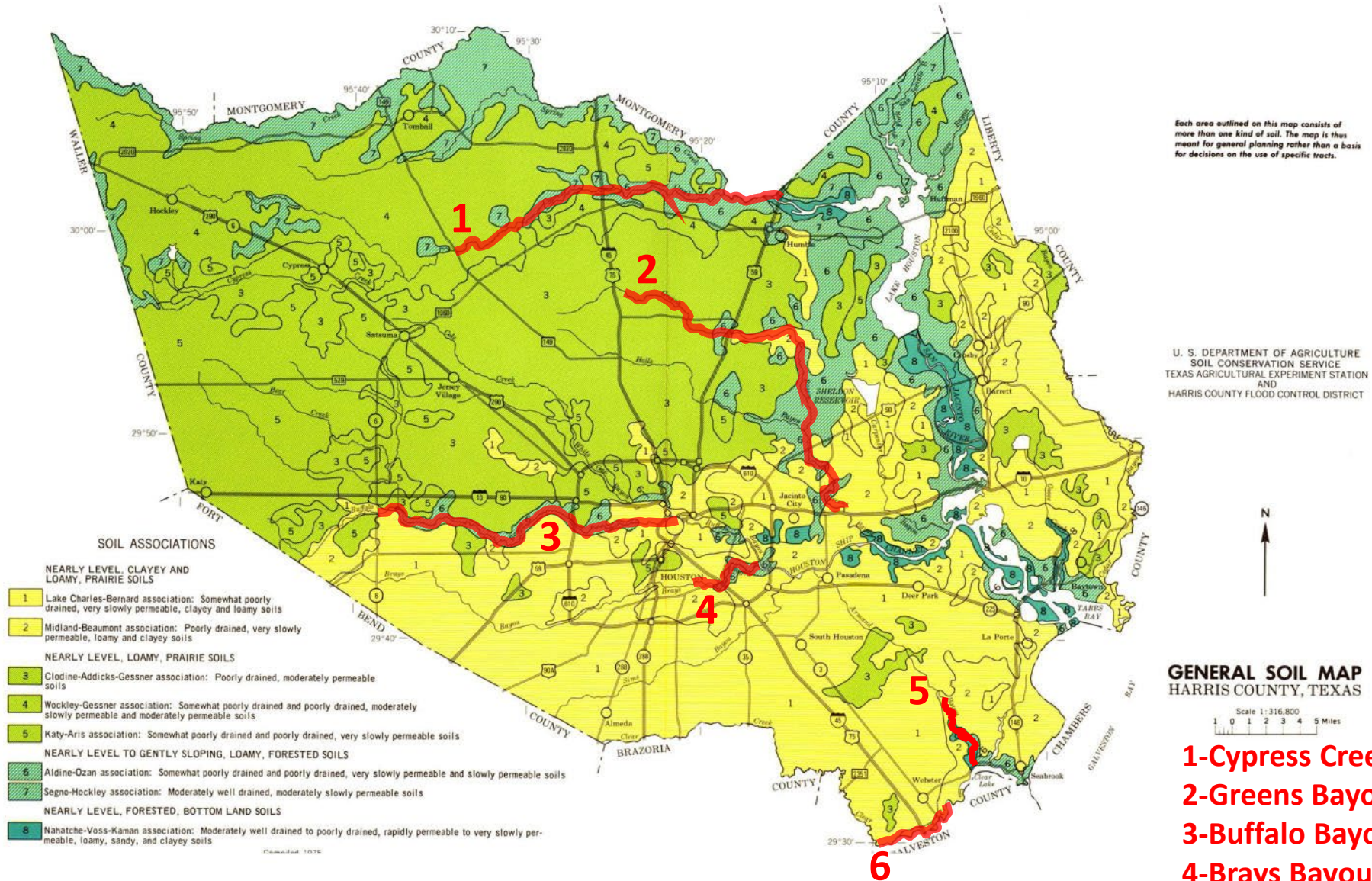
“Gathering Streams” Mark the Sediment Load Boundaries



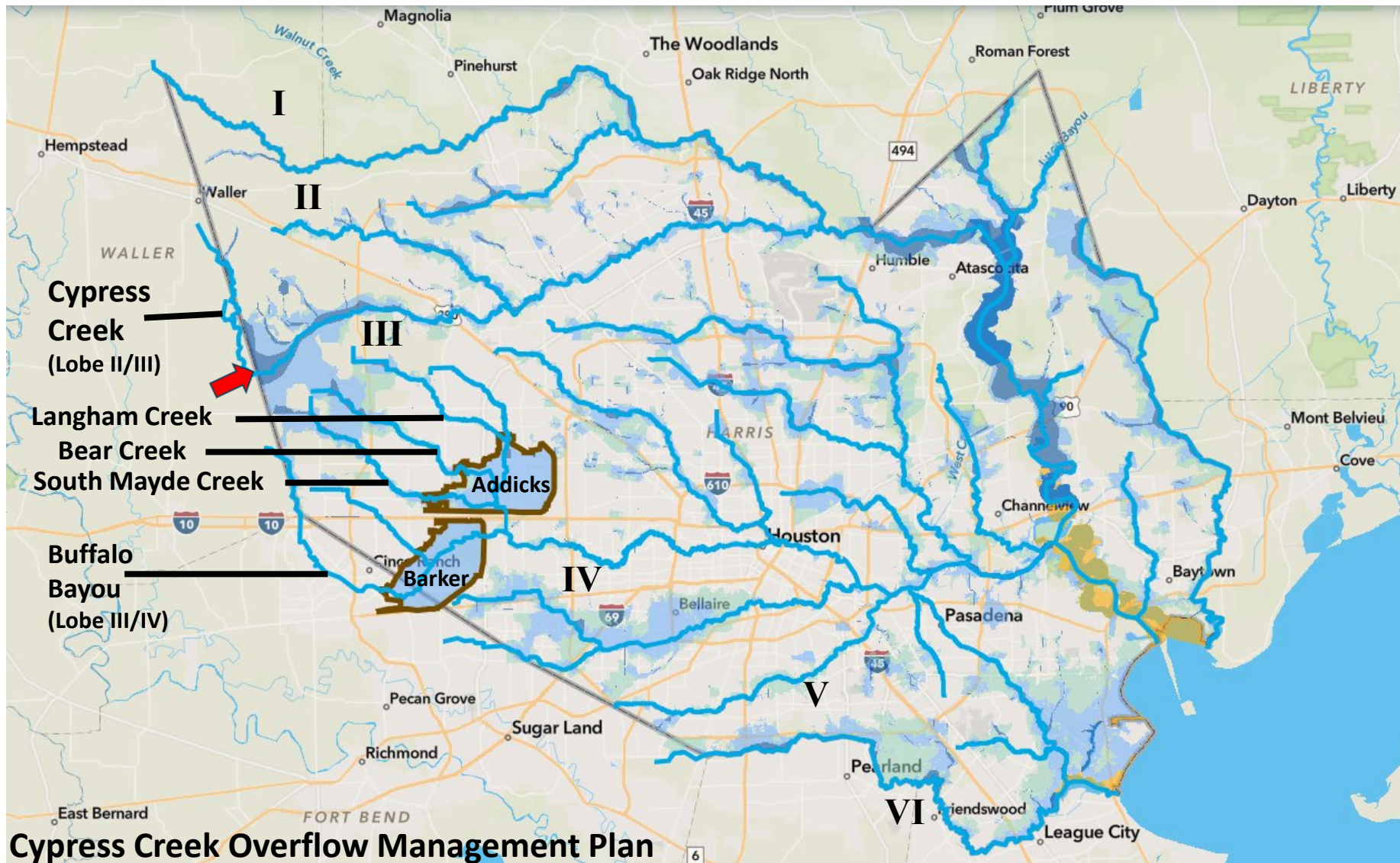
<https://datalab.h-gac.com/wrim/>

Meander-Belt Ridges that formed in the distant past continue to affect our daily lives in Houston.

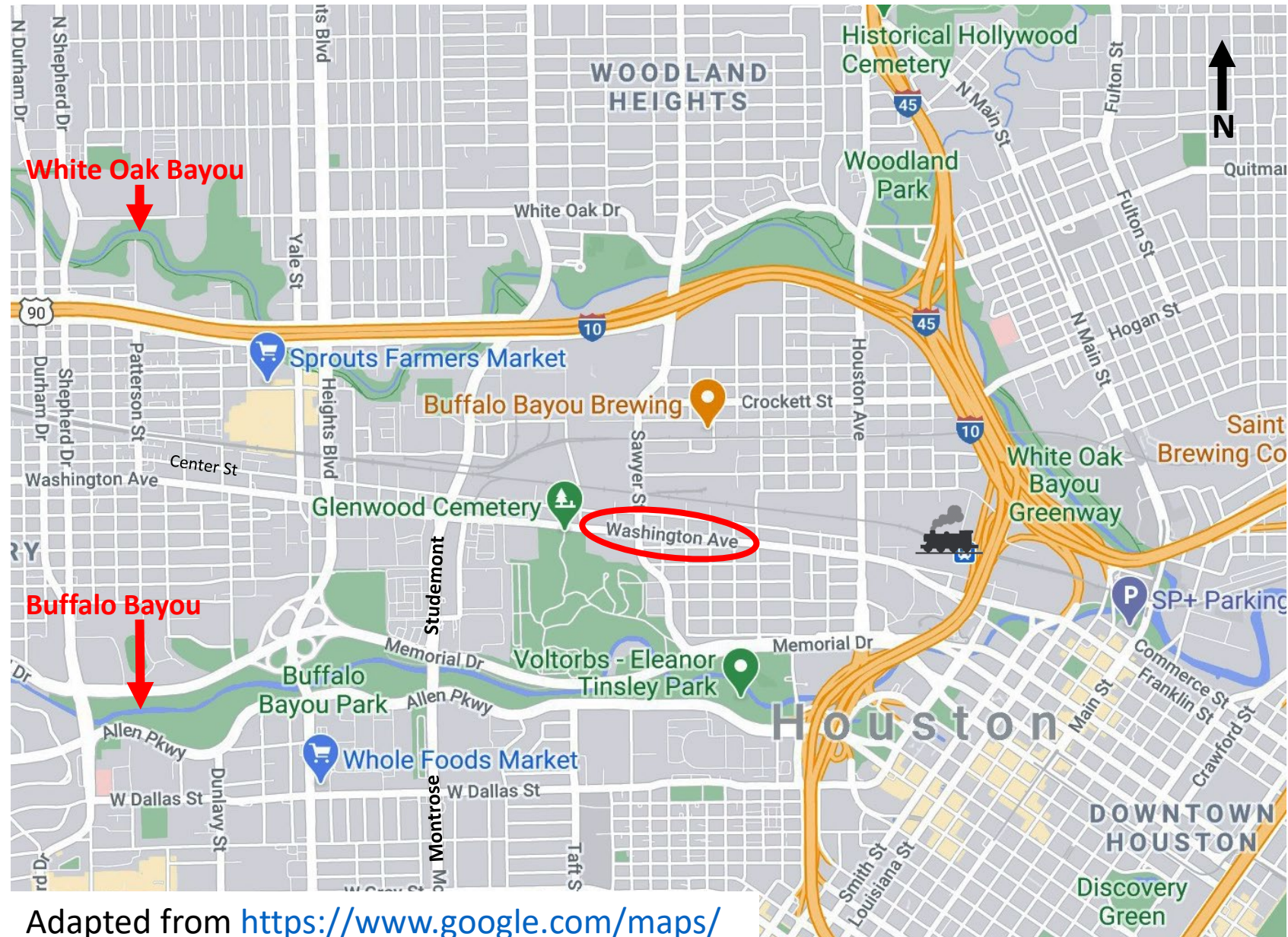
Recreation: Texas Paddling Trails



Older Barriers (Here, Lobes II/III) May Degrade Over Time, Increasing Flooding in Addicks Reservoir and Buffalo Bayou



Meander Belt Ridges Have Determined the Siting of Houston's Critical Infrastructure



For the text version of this presentation, which includes a full list of references, see the August 2026 issue of the Houston Canoe Club's publication, the WaterLine, at:

https://thcc.clubexpress.com/content.aspx?page_id=22&club_id=496051&module_id=796404

NRAC Agenda (continued)

3. Introductions

4. Certify Quorum

A quorum of 12 is required to conduct committee business.

5. Approve Meeting Report

Request approval of February 5, 2026 and May 7, 2026 meeting reports.

NRAC Agenda (continued)

6. Membership

H-GAC staff will provide a brief status update on membership. More details will be shared during the discussion of the Nomination Subcommittee (Item 9)

NRAC Agenda (continued)

7. Environmental Committee Highlights

Coordinators for H-GAC environmental committees will provide information on activities and updates from the past quarter.

- Regional Flood Management Committee (Amanda Ashcroft)
- Solid Waste Management Committee (Erin Livingston)

NRAC Agenda (continued)

8. Environmental Program Highlights

H-GAC Staff will highlight Community & Environmental Planning projects to seek comment and feedback from Committee members.

- Tamina Community Assistance (Todd Running)
- Parks and Natural Areas Roundtable Update (Andrea Tantillo)
- Watershed-Based Plans Update (Cornell Evans, Jr. and Rachel Windham)



SPRING PARK TOUR



Wednesday, May 27– Spring Tour at Brazoria County Parks Headquarters



15 people attended and learned about Brazoria County Parks

PARKS AND NATURAL AREAS ROUNDTABLE



Monday, July 13 –roundtable featuring awards spotlights and conversation



21 people attended and participated in the roundtable, information exchange

Next Meeting

Roundtable at H-GAC
September 8, 2026
1:30 to 3:30 p.m.

Parks and Natural Areas Awards Update

- Changing the On-the Ground Thresholds

Small – Up to \$250,000

Medium - \$250,000 to \$1 million

Large – More than \$1 million

- Adding clarifying language to On-the-Ground and Programming categories
- Adding opportunity to add information about project innovation



Annual Awards Cycle

Activity	Timeline
Post online Application Portal and Select Judges	July and August 
Advertise Awards/Solicit Applications	August
Accept Applications	September 1-30
Judging	Early October
Natural Resources Advisory Committee Previews Award Recommendations	Early November
Notify Winners	Mid December/January
H-GAC Board recognizes winners	January
Advertise Recognition Event	January/early February
Host recognition event	Friday in early February



**Parks and
Natural Areas
2025 Awards**

APPLY NOW!



Winning projects serve as models for the H-GAC region on how parks can improve water quality, habitat, and quality of life.

Apply at h-gac.com/parks

Applications due 8/25/25–9/30/25

A program of the Houston-Galveston Area Council



Houston-Galveston
Area Council

Thank You!

ANDREA TANTILLO

Principal Program Coordinator

Houston-Galveston Area Council

Direct | 832-681-2507

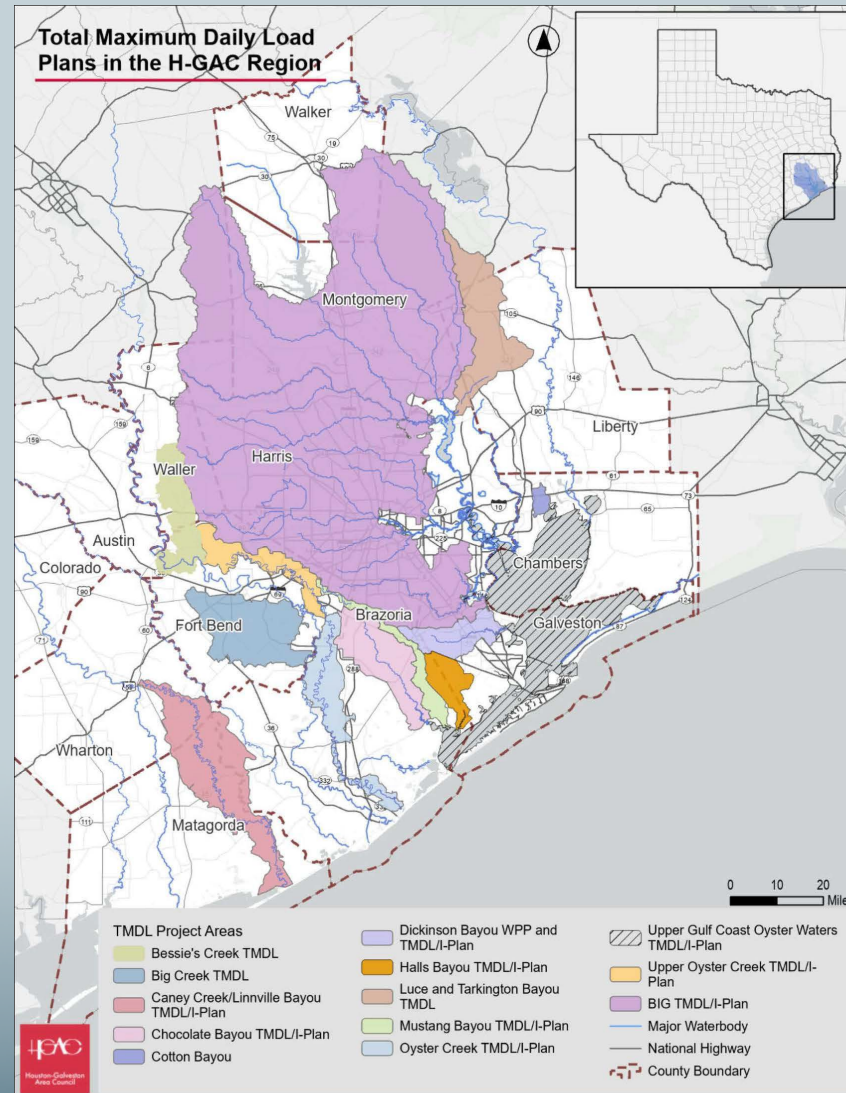
www.h-gac.com

Andrea.Tantillo@h-gac.com

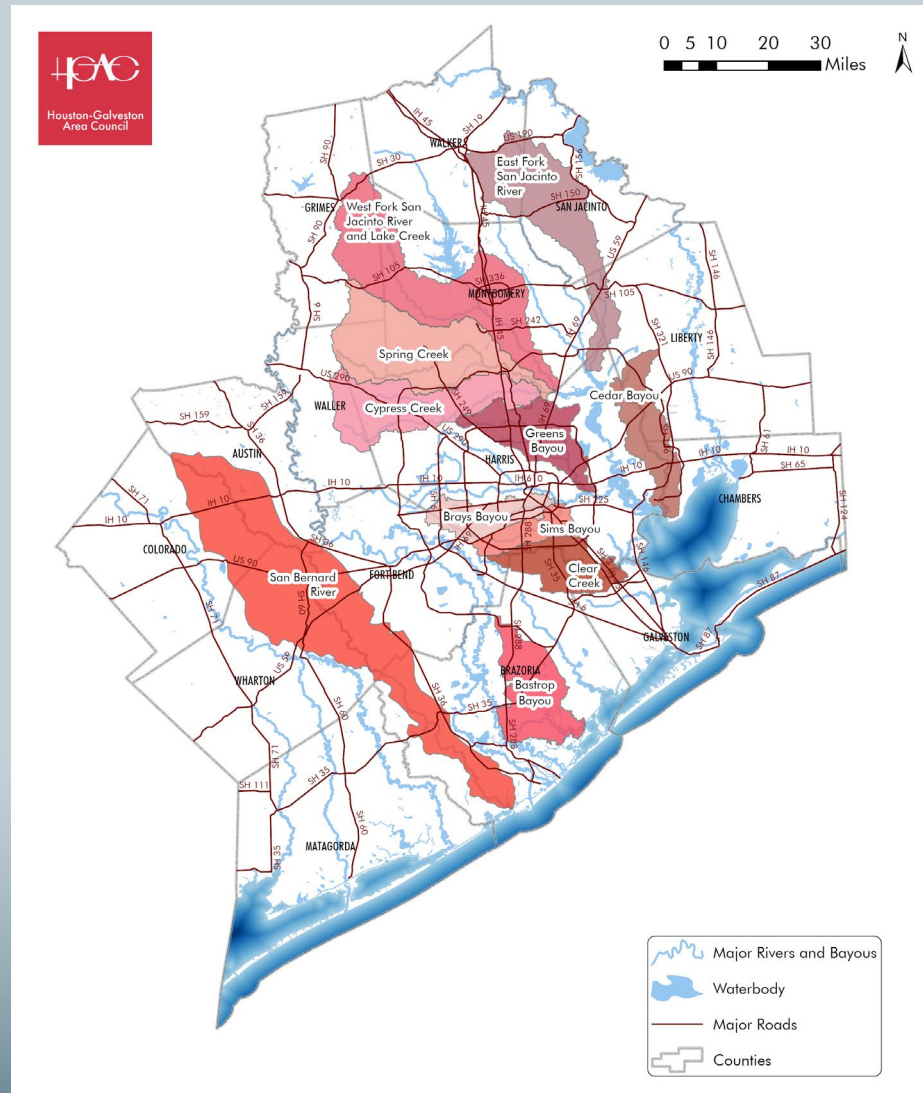
Find more at: h-gac.com/parks-and-natural-areas/awards



TMDL Projects



WPP Projects



NRAC Agenda (continued)

9. Subcommittees

Nomination Subcommittee

The NRAC's Nomination Subcommittee met on August 5, 2026 to review vacancies in the membership list and recommend new contacts to fill the positions.

Follow Up With Current Appointees

Member	Representing
Deborah January-Bevers	Conservation Groups (2 of 3)
Bob Stokes	Conservation Groups (1 of 3)
Scott Jeansonne	Harris County Public Health
Scott Saenger	Builder/Developer Representative
William Hajdik	Cities Other Than Houston

NRAC Appointed Vacancies

Representing	Subcommittee Recommendations
Academia	Kerri Crawford (U of H), Hanadi Rafai (U of H), Antonietta Quigg or others from TAMUG
Chambers of Commerce (2)	East End Chamber of Commerce, Matagorda, Greater Houston Partnership
City of Houston Water Resources	Request recommendation from Lisa Montemayor
Conservation	Kat Christensen (Buffalo Bayou Partnership)
Consulting	Andy Newman (Langan), TAG, Quiddity, Freese and Nichols
Gulf Coast Authority	Johnathan Sandhu, Liz Fazio Hale
Harris County Pollution Control Services Department	Jesse Dickerman, Request recommendation from Latrice Babin
Industry (2)	Gabriela Sosa (AEM), Peter Caldwell, RES, Asakura-Robinson
Power Generation or Transmission Utility	Jeff Delarosa (Centerpoint)
Private Citizens	Joe Garcia (Pattison), Jin Ye
Professional Organizations	TAEP
River Authority	Bret Raley (SJRA), TRA
Small Cities Less than 25,000	

Board Appointed Vacancies

Representing
Austin County
Colorado County
Fort Bend County
Galveston County
Liberty County
Montgomery County

NRAC Agenda (continued)

9. Subcommittees

Bylaws Subcommittee

Recommendations of the Natural Resources Advisory Committee's Bylaws Subcommittee, submitted to the Natural Resources Advisory Committee by NRAC Bylaws Subcommittee Chair, Tom Douglas, on August 6, 2026.

As specified in the bylaws of the Natural Resources Advisory Committee, as most recently amended in November 2021, the NRAC's Bylaws Subcommittee met on July 28, 2026 to conduct a five-year review of the bylaws. The subcommittee's membership is comprised of Tom Douglas, Jonathan Holley, and Lisa Marshall. Following this review, the NRAC Bylaws Subcommittee recommends the following amendments to the current bylaws.

Suggested Bylaws Edits

Article III (1)

Rationale: To match the official name of the Committee, correct the word “Resource” to “Resources”, to read:
The Natural **Resources** Advisory Committee shall consist of thirty-nine (39) members.

Article IV (4)

Rationale: Specifically permit the acceptance of appointment to membership in the Committee to be signified by email, and clarify to whom the acceptance is to be directed.

Current Version: Each person appointed shall signify acceptance of membership in writing.

Revision: Each person appointed shall signify acceptance of membership in writing or by email to the Chairperson and to the H-GAC Staff Coordinator.

Suggested Bylaws Edits

Article V (1)

Rationale: Because officers serve for a term of two (2) years, it is not necessary to hold an election of officers each year.

Current Version: The officers of the Committee shall be a Chairperson and Vice Chairperson, elected by a simple majority of those present and voting at the meeting at which these bylaws are adopted; and subsequently, at the first meeting after January 1 of each year. Officers shall serve a term of two years. After two years, a new Vice Chairperson shall be elected, and the current Vice Chairperson shall assume the Chairmanship.

Revision: The officers of the Committee shall be a Chairperson and Vice Chairperson, elected by a simple majority of those present and voting at the meeting at which these bylaws are adopted; and subsequently, at the first meeting after January 1 of **every second** year. Officers shall serve a term of two (2) years. After two (2) years, a new Vice Chairperson shall be elected, and the current Vice Chairperson shall assume the Chairmanship.

Suggested Bylaws Edits

To achieve greater consistency in the way that some numbers are stated, spell out the number in letters followed by the number in bracketed digits, for example: “twenty-six (26)”. Where numbers are already stated in this format, leave them unchanged. Specific recommended changes are:

In the Main Body of the Bylaws

Article IV (3): “for a period of two (2) years”

Article IV (4): “for three (3) consecutive meetings”

Article V (1): “a term of two (2) years” and “After two (2) years”

Article VI: (1) “consist of twelve (12) members”

Article IX (4): “every five (5) years” and “sent a copy ten (10) days”

In Attachment A

Total Membership: “Thirty-nine (39) members”

Designated Representatives: “Twenty-six (26) members”

County Representatives: “Thirteen (13) members” and “There are thirteen (13) counties”

NRAC Agenda (continued)

9. Subcommittees

Water Innovation Strategies of Excellence Subcommittee

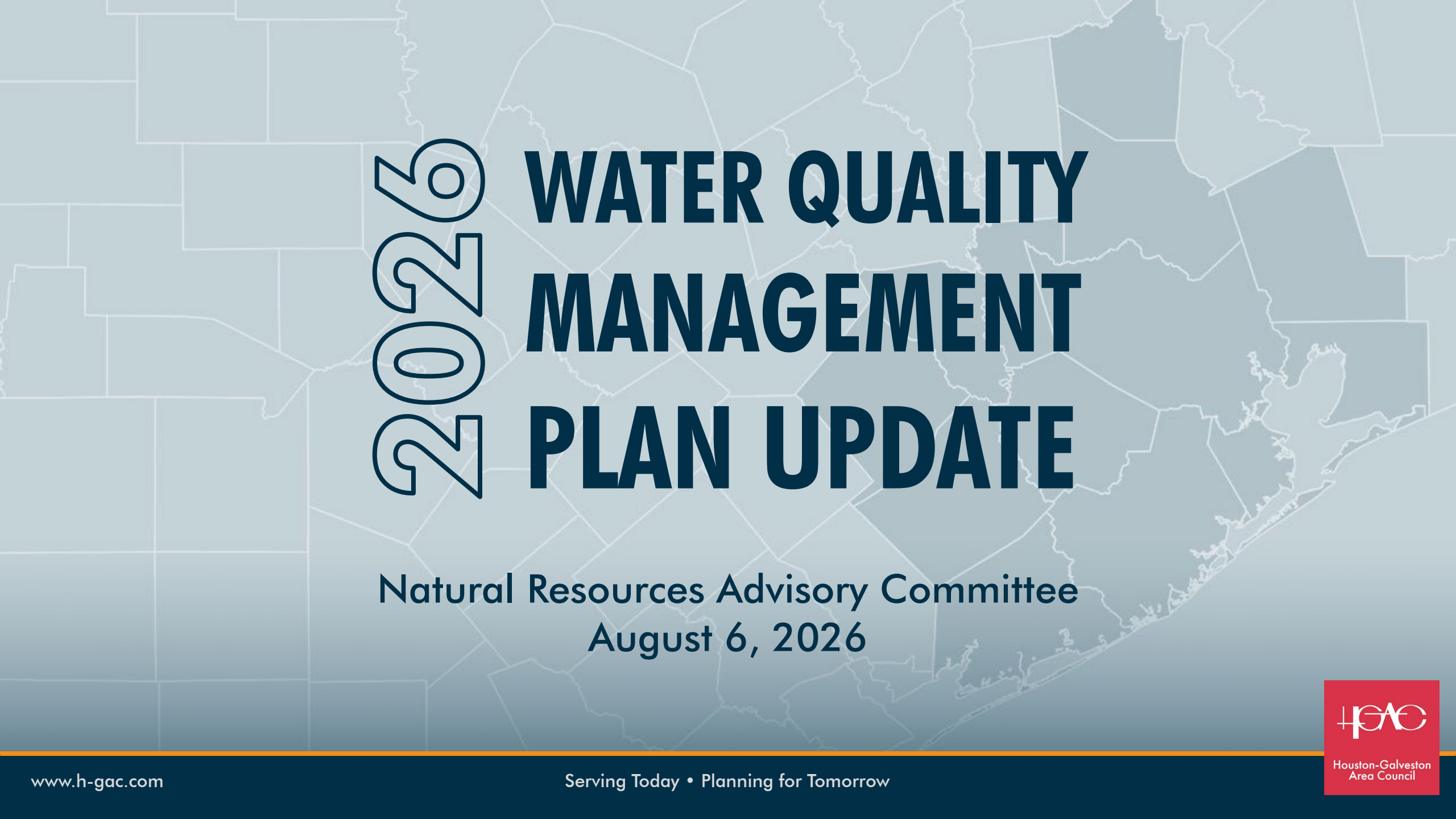
Staff coordinator, Rachel Windham, will provide an update on the status of the Water Innovation Strategies of Excellence Awards and future action.

NRAC Agenda (continued)

8. Topic of the Day

Bill Ervin, Senior Planner at H-GAC, will provide an overview of the Draft 2026 Water Quality Management Plan Update which involves the collection and analysis of water quality and locational data related to wastewater sources. A copy of the document was provided digitally to members prior to the meeting.

Representatives will consider and take action on a recommendation to the H-GAC Board of Directors to accept the Water Quality Management Plan Update.



2026 **WATER QUALITY MANAGEMENT PLAN UPDATE**

Natural Resources Advisory Committee
August 6, 2026

Acknowledgements

Funding for this project was provided by the United States Environmental Protection Agency (EPA) through a Clean Water Act Section 604(b) grant to the Houston-Galveston Area Council (H-GAC), administered by the Texas Commission on Environmental Quality (TCEQ).

TCEQ Contract Numbers 582-25-00048 and 582-26-00051



EPA

FY 2026 Water Quality Management Plan Update



- Project involves acquiring, compiling, and evaluating regional wastewater infrastructure and effluent monitoring data
- Data is compiled and combined with data from EPA and TCEQ to form an integrated data set
- Data is used by various programs and projects to support current and future planning decisions
- Update becomes part of the State's Water Quality Management Plan (WQMP)

Primary Project Objectives

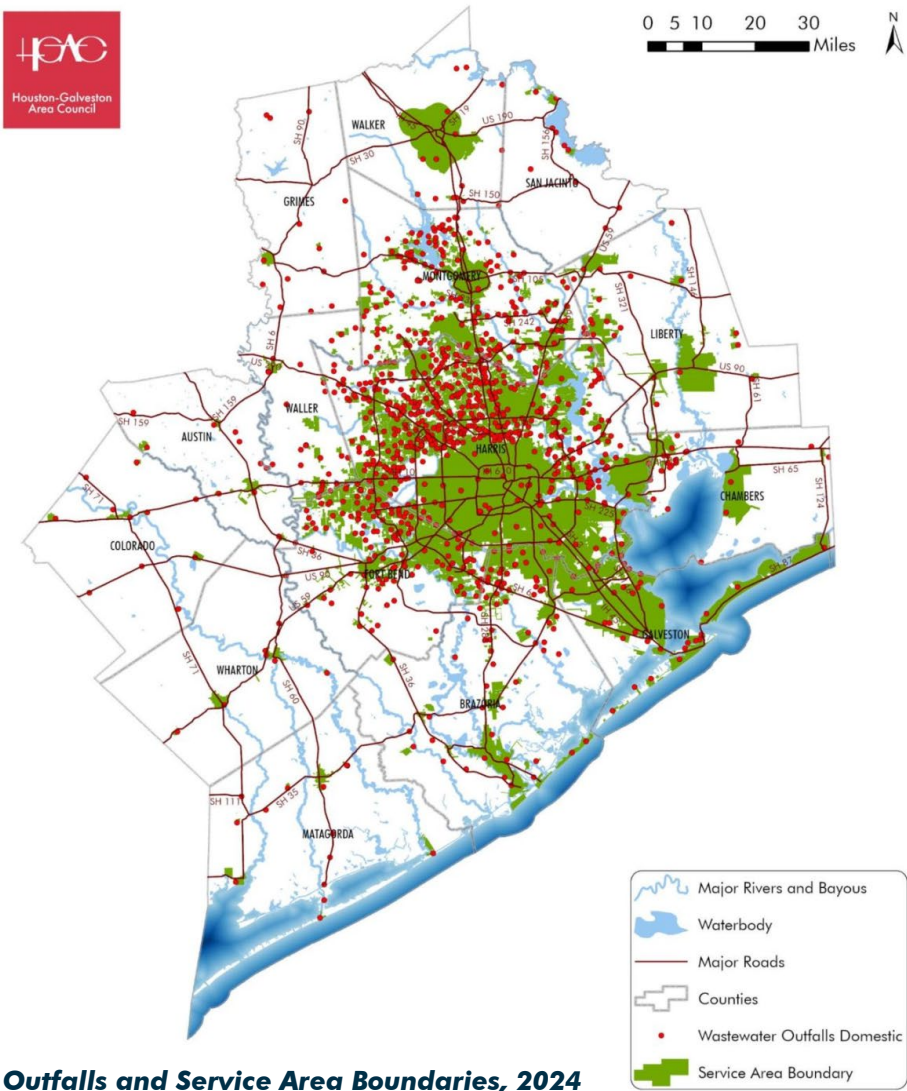
- Wastewater Data Update and Coordination
- Conformance Review for Clean Water State Revolving Fund (CWSRF) Projects
- Support for Watershed Planning
- On-Site Sewage Facility (OSSF) Planning, Support, and Outreach
- Assessment of Communities Converted from OSSF to Sanitary Sewer
- OSSF Mapping Tool Expansion
- Water Quality Management Plan Update Report

Wastewater Data Update and Coordination



- Mapped wastewater treatment facility (WWTF) outfalls and service area boundaries
- Analysis of wastewater effluent discharge monitoring report (DMR) and sanitary sewer overflow (SSO) data
- Conducted outreach related to employment in the wastewater industry

Wastewater Data Update and Coordination (cont.)



Wastewater Infrastructure Spatial Data

- Acquired and reviewed the domestic wastewater outfall location data for the 15-County region from TCEQ
 - 13-County H-GAC Region + San Jacinto and Grimes Counties
- Updated the Service Area Boundaries (SAB) GIS layer for domestic outfalls with any new permittees, utilizing MUD records, EPA and TCEQ permit databases.
- H-GAC also utilized the Public Utility Commission of Texas' (PUC) Certificates of Convenience and Necessity (CCN) dataset to match outfalls to SABs.

Wastewater Data Update and Coordination (cont.)



Wastewater Effluent Monitoring Data Analysis

- Acquired and analyzed data collected between 1/1/2021 and 12/31/2025 for:
 - DMR data from EPA and TCEQ with a focus on bacteria
 - Self-reported SSO data acquired from TCEQ
- This data is used by other programs and projects
 - Bacteria Implementation Group (BIG)
 - Total Maximum Daily Load (TMDL) development
 - Watershed Protection Plan (WPP) development
 - Clean Rivers Program (CRP)

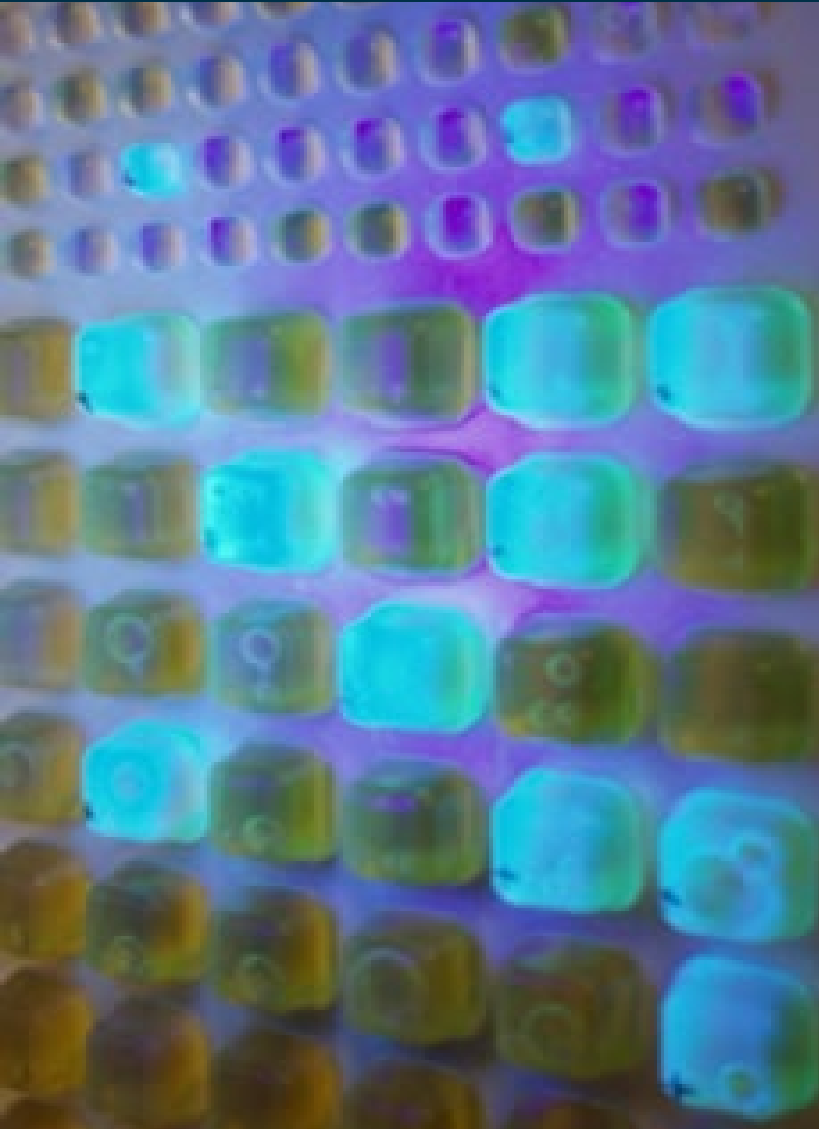
Wastewater Data Update and Coordination (cont.)



Key Findings - DMR

- 1,524 permitted wastewater outfalls in the region
- DMR data of any kind reported for 1,094 outfalls
- 959 facilities reported bacteria data in 2025
- The largest size category of WWTFs reporting bacteria data is <0.1 MGD (n=270, or 28% of total)
- 80% of WWTFs reporting bacteria data in the region (n=779) are less than 1 MGD

Wastewater Data Update and Coordination (cont.)



Key Findings – DMR (cont.)

- Bacteria permit compliance is high (95% or higher)
 - 95% of Single Grab Sample results
 - 98% of Geometric Mean results
- The largest estimated bacteria load comes from the larger facilities
 - Largest in the 1 to 5 MGD size category (n=138)
 - Second largest in the greater than 5 to 10 MGD category (n=33)
- The lowest estimated bacteria load comes from facilities in the less than 0.1 MGD category (n=270)

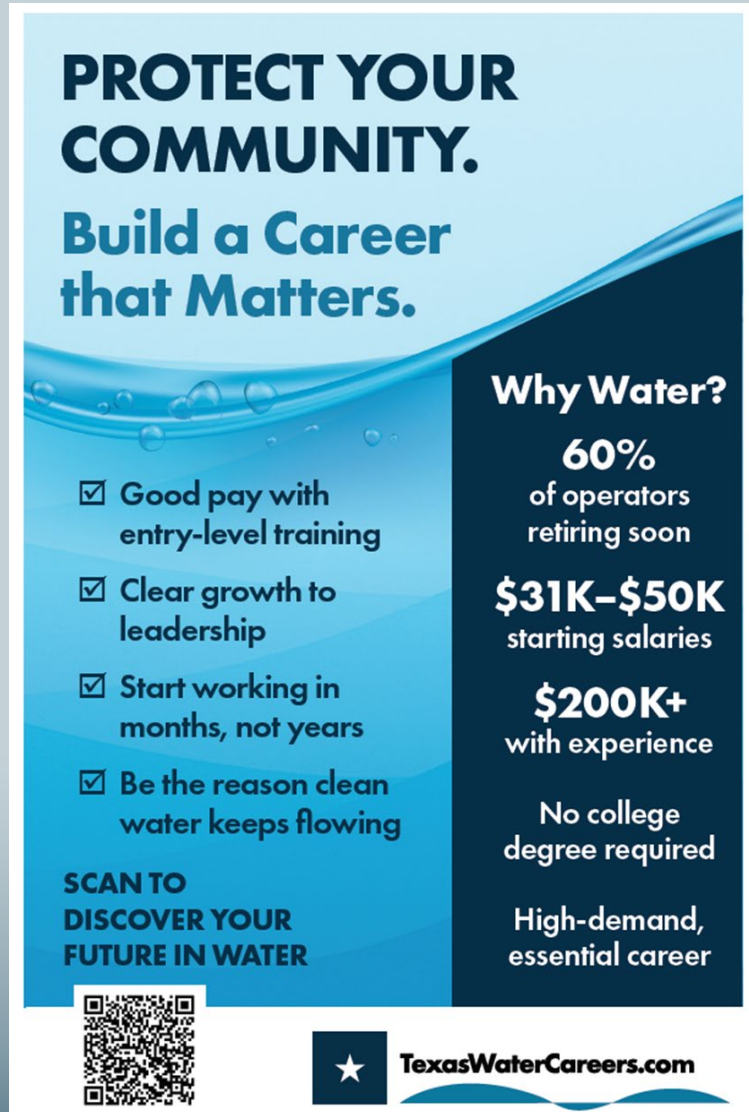
Wastewater Data Update and Coordination (cont.)



Key Findings - SSO

- 247 permitted dischargers (28%) reported SSOs in 2025
- 1,484 total SSOs reported
- Reported combined SSO discharge volume of 3,716,000 gallons
- Rain/inflow/infiltration was the leading cause of SSO events in 2025 (36% of all SSOs) followed by line blockages from fats, oils, and grease (22%)
- Rain/inflow/infiltration also contributed to the largest total volume of discharge in 2025 (1,896,200 gallons)

Wastewater Data Update and Coordination (cont.)



PROTECT YOUR COMMUNITY.

Build a Career that Matters.

- ✓ Good pay with entry-level training
- ✓ Clear growth to leadership
- ✓ Start working in months, not years
- ✓ Be the reason clean water keeps flowing

SCAN TO DISCOVER YOUR FUTURE IN WATER

Why Water?

- 60%** of operators retiring soon
- \$31K-\$50K** starting salaries
- \$200K+** with experience
- No college degree required
- High-demand, essential career

  **TexasWaterCareers.com**

Industry Outreach

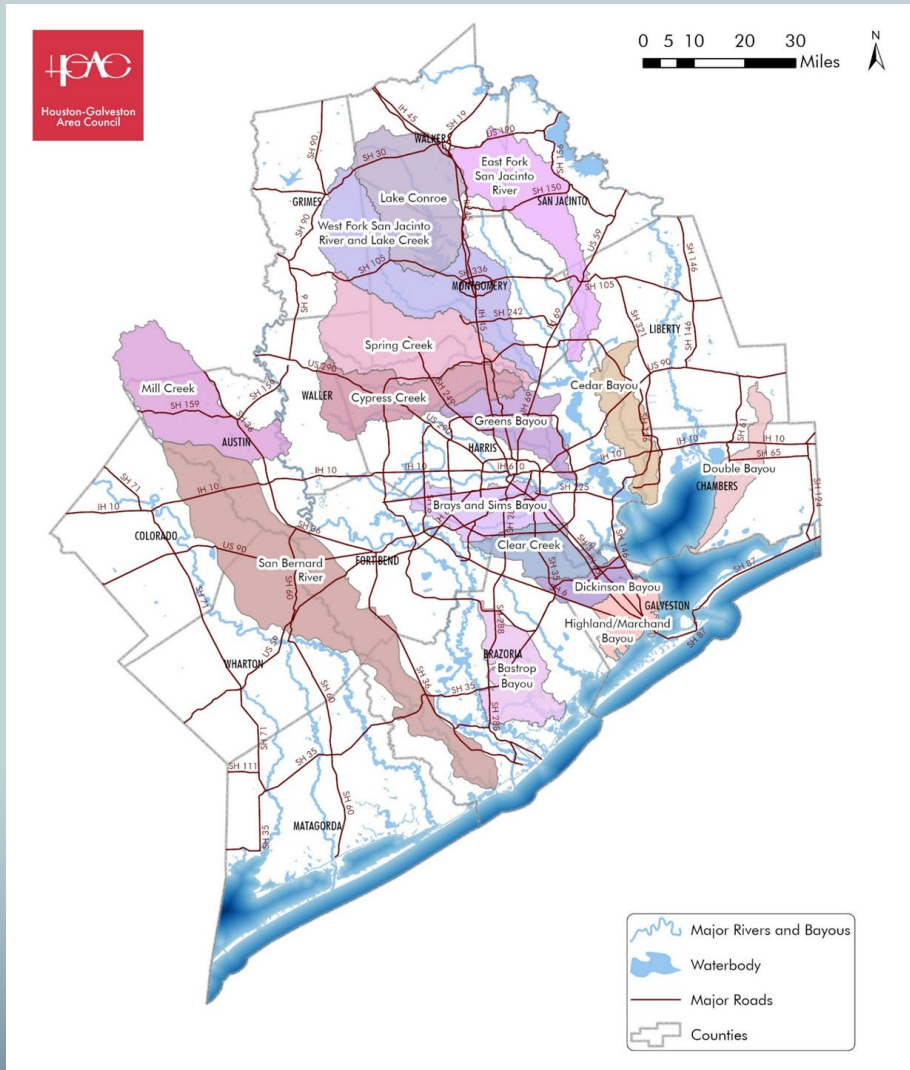
- H-GAC and the Association of Water Board Directors co-hosted four stakeholder meetings in FY2025.
- The TexasWaterCareers.com website was launched on 10/02/25, as a centralized location to learn about the career opportunities available and to attract new talent.
- Continuing to collaborate to develop Inter Local Agreements allowing us to receive funds from partner stakeholders to conduct maintenance, development, and promotion of the website.
- Developed a promotional handout for stakeholders to share and help advertise and promote the website (image to left).

Conformance Review for CWSRF Projects

- Upon TCEQ request, H-GAC reviewed four Clean Water State Revolving Fund (CWSRF) applications for compliance with regional goals and objectives surrounding wastewater system repairs and replacements

Project ID	Requesting Entity	Project Summary	Findings
73991	East Aldine Management District	The proposed project focuses on the renewal and rehabilitation of force mains throughout the city of Houston. Improvements will be implemented on a case-by-case basis, with each force main evaluated for partial or full replacement or rehabilitation, depending on the specific condition and operational needs.	Based upon our review, H-GAC staff finds this project consistent with regional goals as defined in the FY 2025 Houston-Galveston Area Regional Water Quality Management Plan.
73994	City of Houston	The proposed project focuses on the renewal and rehabilitation of lift stations throughout the City of Houston. Improvements will be implemented on a case-by-case basis, with each lift station evaluated for partial or full replacement or rehabilitation, depending on the specific condition and operational needs. All equipment, including mechanical and electrical systems, will be upgraded to meet the City's current standards and codes.	Based upon our review, H-GAC staff finds this project consistent with regional goals as defined in the FY 2025 Houston-Galveston Area Regional Water Quality Management Plan.
73995	City of Houston	The proposed project is to provide a wastewater collection system which will be discharged into the Sunbelt FWSD High Meadows Wastewater Treatment Plant. The system will provide connections to 394 households, 362 are currently inhabited. The system will consist of 29,420 linear feet of 8-inch sanitary sewer gravity line, 76 sanitary manholes, 16,000 linear feet of 4-inch service connections & disable 390 septic systems, 9,685 linear feet of 6-inch force main line, and one new lift station.	Based upon our review, H-GAC staff finds this project consistent with regional goals as defined in the FY 2025 Houston-Galveston Area Regional Water Quality Management Plan.
74019	City of Waller	The proposed project is to repair, replace, and relocation of targeted collection systems within the City of Waller. This includes repair and replacement of 1,595 linear feet of 18" to 21"/24" pipe. Replacement of 3,100 linear feet of 6" to 8" pipe, including manhole replacement. Rehabilitation of 4,600 linear feet of downtown sewer via CIPP lining, pipe bursting, and replacement and associated manhole. Also, the rehabilitation and replacement of 81 various manholes.	Based upon our review, H-GAC staff finds this project consistent with regional goals as defined in the FY 2025 Houston-Galveston Area Regional Water Quality Management Plan.

Support Watershed Planning



Watershed-based Plan Areas

Plan Facilitation and Coordination

- Galveston Bay Estuary Program's (GBEP) 12th State of the Bay Symposium; GBEP subcommittee memberships;
- Develop state level OSSF inventory with COGs and AgriLife;
- Coordination with the CRP on the development of the Basin Highlights Report;
- Participation in the BIG regional workgroups;
- Promotion of OSSF projects, including Homeowner Education Workshops;
- Coordination of OSSF educational workshops and failing system assistance for disadvantaged residents in the Greens Bayou watershed;
- Participation in the Watershed Coordinator's Roundtable;
- Coordination with ongoing TMDL, WPP, CWI and other efforts; and
- Participation in the NRAC meetings.

Support Watershed Planning (cont.)

Urban Forestry

- Served on and/or coordinated with regional and national forestry projects including:
 - Forests in Cities national association of municipal forestry programs;
 - Texas Forests and Drinking Water Partnership (leadership role);
 - Houston Area Urban Forestry Council (leadership role);
 - HOUCan Regional conservation coordination group (participant); and
 - OneHealth regional public health and conservation working group (participant).
- Partnered with Texas A&M Forest Service for ongoing forestry grant project with for urban tree plantings in support of implementation of the West Fork San Jacinto WPP.
- H-GAC has supported our local governments and organizations with direct support including:
 - City of Houston with coordination support;
 - Houston Area Urban Forestry Council in the planning for its annual tree planting competition planting event and urban forestry education events;
 - Various entities with letters of support, funding research, program coordination, or other minor data projects to support forestry efforts; and
 - Coordinating with H-GAC's Funding Development Program on clients who have forested components in funding development requests.

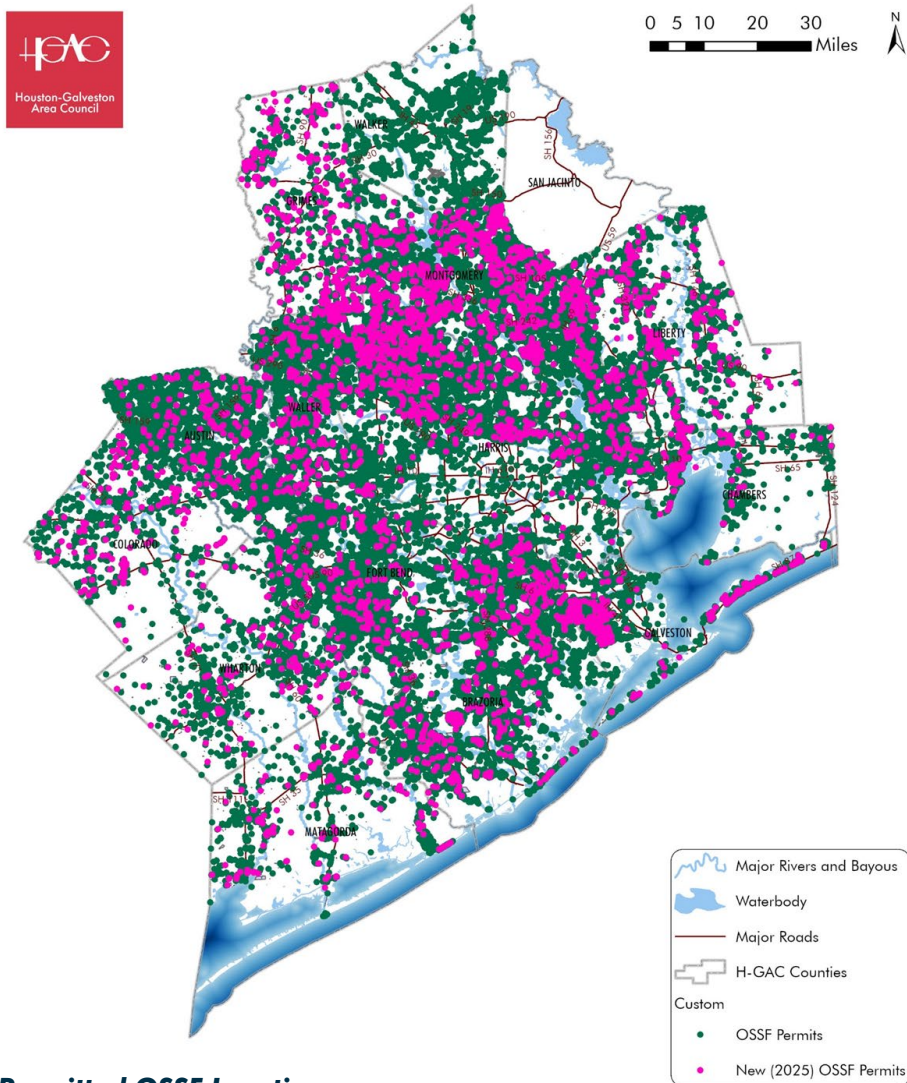


OSSF Planning, Coordination, and Outreach



- Permitted OSSF Database Update
- Unpermitted OSSF utilizing 9-1-1 Analysis
- Coordination with Authorized Agents
- Supplemental Environmental Programs (SEP) Coordination and Outreach Activities
- OSSF Outreach and Education
- Repair and Replace up to 15 OSSFs in East Aldine utilizing GBEP funding through Infrastructure Improvement and Jobs Act

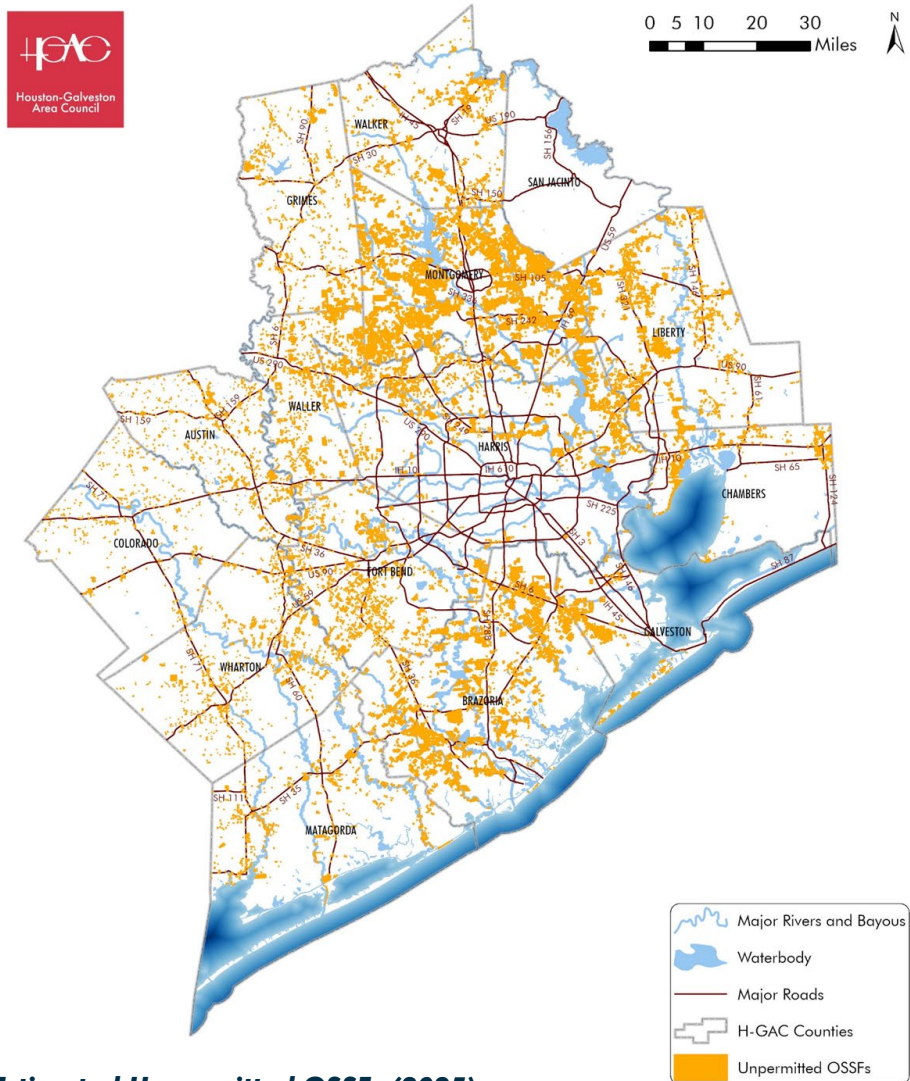
OSSF Planning, Coordination, and Outreach (cont.)



Permitted OSSF Database Update

- 5,159 new permitted OSSFs added in 2025
 - Matagorda began submitted data for last three years
 - Attempts to acquire data from San Jacinto County continue to be unsuccessful
 - Walker County did not report new data in 2025
- Through 2025, 155,590 permitted systems in the database

OSSF Planning, Coordination, and Outreach (cont.)



Estimated Unpermitted OSSFs (2025)

Unpermitted OSSF Analysis

- H-GAC uses the 9-1-1 addresses methodology to estimate the number of potential unpermitted systems in the region
- H-GAC will continue to utilize this method to revise SABs and refine unpermitted estimates
- Through 2025, estimated 196,875 unpermitted systems
- 352,465 total OSSFs (permitted and unpermitted) in region

OSSF Planning, Coordination, and Outreach (cont.)



Coordination with Authorized Agents

- Coordinated with multiple entities to update the OSSF database
- H-GAC facilitates data gathering from Coastal Zone counties (Brazoria, Chambers, Galveston, Harris, and Matagorda), to share with with Texas A&M AgriLife Extension, for a Coastal Zone OSSF database for TCEQ

SEP Coordination and Outreach

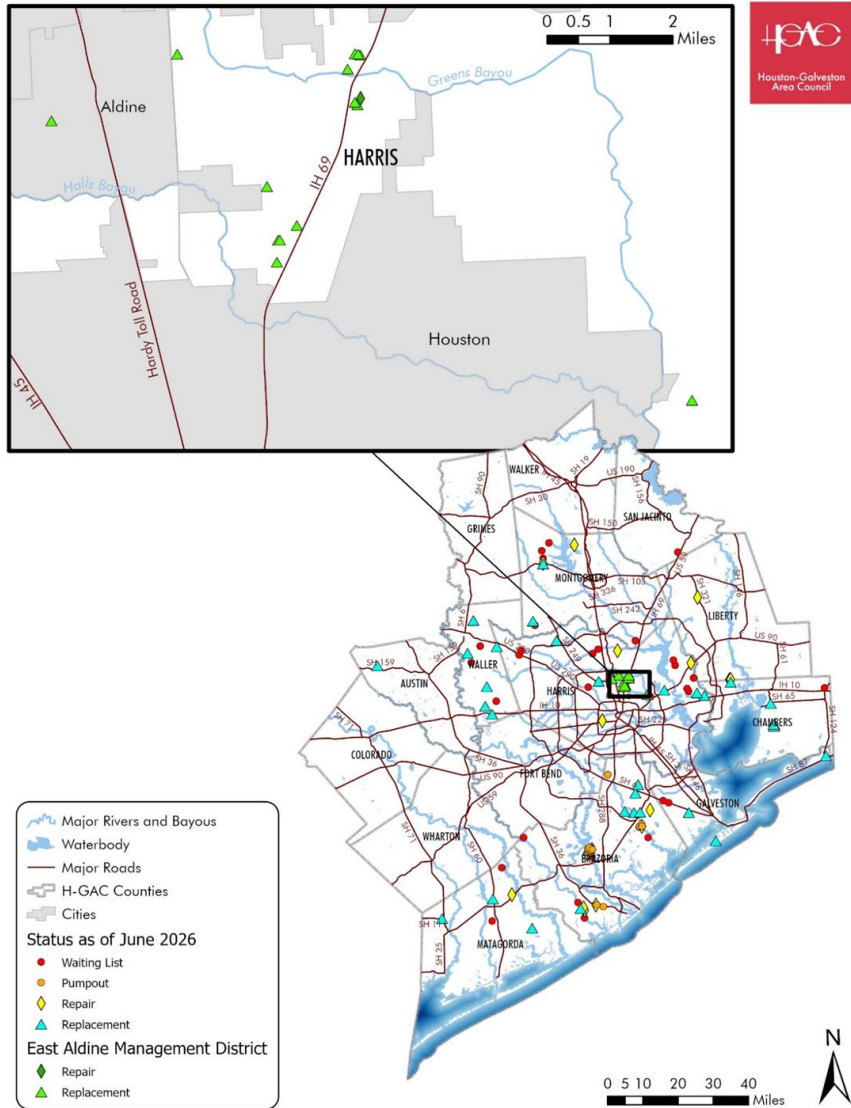
- Led a technical advisory committee including members from the TCEQ, Auburn University, Houston Advanced Research Center, and Kinder Institute for Urban Research to assess H-GAC's vulnerable communities model to possibly adjust the model to analyze to the assessment unit level.
- Homeowner Wastewater Assistance Program assists homeowners with OSSF repairs or replacements, with funding provided through TCEQ SEP and other industry partners
- The WQMP contract supports planning, coordination, and outreach, but does NOT fund repairs or replacements

OSSF Planning, Coordination, and Outreach (cont.)

OSSF Outreach and Education

- Over the last 12 months, H-GAC has replaced four OSSFs with an additional 12 systems due to be installed by August 2026.
- Over the last 12 months, H-GAC has repaired two systems.
- The current SEP wait list for homeowners requesting repairs or replacements is over 48.
- H-GAC has conducted seven OSSF Homeowner Education Workshops.
- H-GAC developed a Spanish on-line videos for the OSSF Homeowner Education Course posted on the website and YouTube.

OSSF Planning, Coordination, and Outreach (cont.)



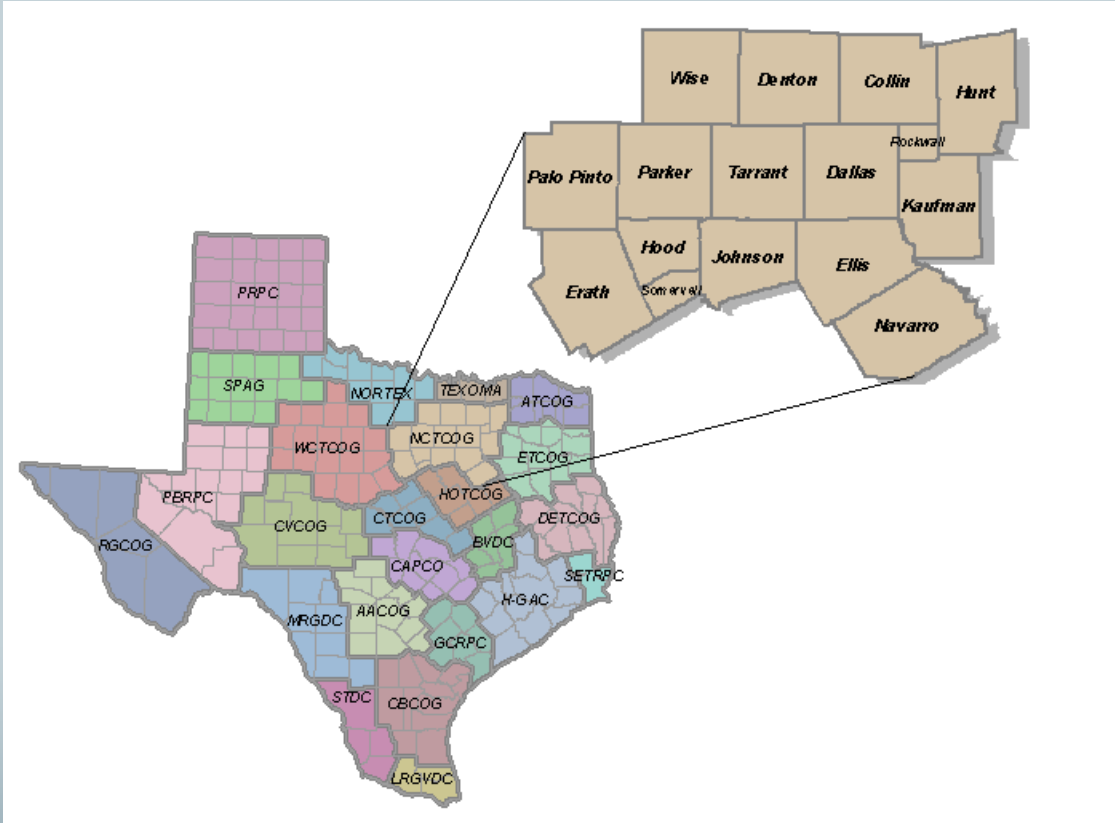
County	Replacement	Repair	Pumpout	Active	Waiting
Austin	1	-		-	-
Brazoria	7	9	24	-	13
Chambers	3	-	-	-	2
Colorado	-	-	-	-	-
Fort Bend	-	-	-	-	-
Galveston	3	-	-	-	2
Grimes	-	-	-	-	-
Harris	9	2	-	12	13
Liberty	1	4	-	-	-
Matagorda	3	1	-	-	2
Montgomery	3	2	-	-	6
San Jacinto	-	-	-	-	1
Walker	-	1	-	-	2
Waller	7	-	-	-	2
Wharton	-	-	-	-	-
TBD	-	-	-	-	5
TOTAL	37	19	24	12	48

Assessment of Communities Converted from OSSF to Sanitary Sewer

BEST MANAGEMENT PRACTICE SPECIAL STUDY

- H-GAC staff conducted a special study to assess fecal bacteria levels where OSSFs were converted to sanitary sewer, considered a best management practice.
- Past ambient water quality data collected at two target areas (Demi-John and East Aldine) indicated presence of fecal bacteria contamination.
- In 2025-2026, three sample events were held at both areas (12/8/25, 2/3/26 & 4/14/26)
 - At Demi-John, 24 samples were collected on Bastrop Bayou Tidal
 - At East Aldine, 27 samples were collected on Unnamed Tributary of Halls Bayou
- Results indicate a decreases in ambient bacteria levels following conversions to sanitary sewer.
- Of note for East Aldine:
 - There remains on-going sources of bacteria from human sources such as unsheltered encampments, domestic pets, and livestock.
 - Continued education in these areas will be beneficial at minimizing these sources.

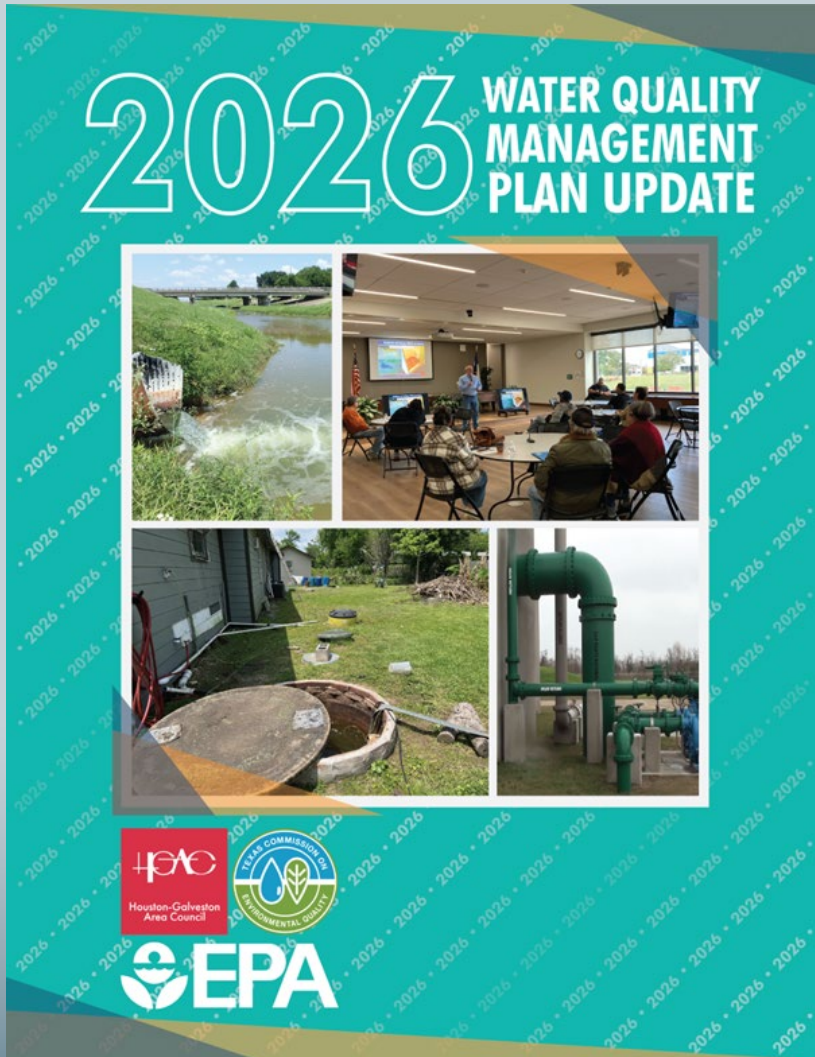
OSSF Mapping Tool Expansion



- H-GAC is collaborating with the North Central Council of Governments (NCTCOG), as well as other potential partners to explore incorporating their OSSF permit data into H-GAC's OSSF Mapping Tool.
- Between October to December 2025, NCTCOG transferred 33 additional datasets from various counties within their jurisdiction.
- To date, H-GAC has reviewed and processed 29 datasets.
- The OSSF database has 5,159 OSSFs added, with 45,703 pending based on some remaining clarifications from NCTCOG.

<https://datalab.h-gac.com/OSSF/>

WQMP Update Report



The goal of this task is to provide TCEQ with a comprehensive report on water quality management activities in the Region and includes the following deliverables:

- Draft WQMP Update (distributed/published on 7/1/26)
 - 30-day comment period (Texas Water Code § 26.037)
 - Comments from NRAC members will be accepted through today
 - Response to Comments
 - Included in the Appendices of the final report
- Final WQMP Update

WQMP Update/Final Report (cont.)

Water Quality Management Plan Update Report Timeline

Task	Date
Draft WQMP Update Report distributed to NRAC and posted to H-GAC website	7/1/2026
30-Day Public Comment Period opens	7/1/2026
Send Draft WQMP Update Report electronically to NRAC members for review	7/1/2026
Upload Draft WQMP Update Report to H-GAC's website	7/1/2026
Public Comment Period closes	7/31/2026
→ Present Draft WQMP Update Report to NRAC for recommendation to Board of Directors	8/6/2026
Revise Draft WQMP Update Report to address public and NRAC comments	8/1/2026 – 8/17/2026
H-GAC Board of Directors meeting	8/18/2026
Submit Final WQMP Update Report and documentation of public comment period to TCEQ	8/31/2026
Upload Final WQMP Update Report to H-GAC website	8/31/2026

- The Final WQMP Update Report will be submitted to TCEQ for approval and incorporation into the state's Water Quality Management Plan

Final Comments



Action Requested

H-GAC staff requests that the NRAC recommend to the H-GAC Board of Directors that the Board accept the FY 2026 *Water Quality Management Plan Update* as amended, based upon comments received from NRAC and the public during the public comment period.

Comments or Questions?



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Funding for this project was provided by the United States Environmental Protection Agency through a Clean Water Act Section 604(b) grant to the Houston-Galveston Area Council, administered by the Texas Commission on Environmental Quality.

TCEQ Contract Numbers 582-25-00048 and 582-26-00051

NRAC Agenda (continued)

9. Roundtable Discussion

NRAC members can bring up issues of import and/or interest for edification and/or discussion at this time. Please take advantage of this agenda item.

Greens Bayou Regatta – October 3



[Greens Bayou Coalition](#)

What: Greens Bayou Regatta

When: Saturday October 3, Start Time at 9:00 AM

Where: Brock Adventure Park, 8201 John Ralston Road, Houston

Register: <https://www.greensbayou.org/annual-regatta>

The 2026 Greens Bayou Regatta will be run on a 7.7-mile course from Brock Adventure Park down to Thomas Bell Foster Park. Free shuttle back up to the start provided by METRO.

Racers will receive a T-shirt, plus lunch, beverages, awards, and music at the end-of-race party. You can also sign up to clean up! Pick up a trash-grabber and bag and help. Most trash collected wins the coveted "Styrofoam Cup" Award.

Proceeds from the regatta will support the work of the [Greens Bayou Coalition](#).

Cleanup Day at Little White Oak Bayou/Woodland Park – October 10

The poster is for a cleanup event at Woodland Park. It features a blue header with logos for SPLASH (Sticking Plastic And Litter Along Shorelines), Our Texas Our Future (H-E-B), and FWP (Friends of Woodland Park). The main title is 'WOODLAND PARK CLEANUP' in large, bold, black letters. Below it, it says 'with Friends of Woodland Park & H-E-B Our Texas Our Future'. The date and time are 'OCT 10, 2026 10AM-1PM'. A QR code is provided for registration. The location is '212 Parkview St, Houston, TX 77009'. It also mentions that cleanup supplies will be provided and that participants should bring appropriate clothing and reusable water bottles. The bottom of the poster shows a map of the park area.

SPLASH Presents
**WOODLAND PARK
CLEANUP**
with Friends of
Woodland Park & H-E-B
Our Texas Our Future

**OCT 10, 2026
10AM-1PM**

Join SPLASH, Friends
of Woodland Park, and
H-E-B's Our Texas, Our
Future for park/bayou
cleanup at Woodland
Park!

Where:
212 Parkview St,
Houston, TX 77009

Cleanup supplies will be
provided. Bring appropriate
clothing and reusable water
bottles.

Register here!

This event is made
possible thanks to

**Our Texas
Our Future**
H-E-B

[Friends of Woodland Park](#)

What: Cleanup at Little White Oak Bayou

When: Saturday Oct. 10 from 10:00 AM to 1:00 PM

Where: Woodland Park, 212 Parkview St., Houston

Register: https://www.volunteerhou.org/need/detail/?need_id=1289191

Waiver Form: <https://www.friendsofwoodlandpark.org/waiver>

For Details: volunteer@friendsofwoodlandpark.org

https://www.volunteerhou.org/need/detail/?need_id=1289191

Located along Little White Oak Bayou, Woodland Park is the second-oldest park in Houston and is a designated City of Houston nature preserve.

Together, we'll remove litter from Woodland Park and a section of Little White Oak Bayou, helping protect local wildlife, improve water quality, and create healthier habitats for birds and other native species. [Friends of Woodland Park](#) will provide gloves, trash bags, bug spray, snacks and water.

Greater Houston Environmental Summit – Oct. 23-24

What: Greater Houston Environmental Summit

When: Friday Oct. 23 – Saturday Oct. 24, 2026

Where: United Way Building, 50 Waugh Dr., Houston

Contact Person: Alex McCray Alex.McCray@houstontx.gov



[Citizens' Environmental Coalition](#)

More details will be available closer to the date of the Summit.

Speakers, Panelists, and Break-Out Groups will address this year's three priority topics:

- * Implement nature-based solutions to mitigate extreme weather occurrences while ensuring equitable access to natural resources.

- * Optimize regional resource efficiency to advance circular economy practices (minimize waste and make the most of resources by promoting practices such as reusing, recycling, and refurbishing materials and products).

- * Promote energy and water practices and develop appropriate infrastructure for grid resilience and sustainability.

NRAC Agenda (continued)

10. Public Comment

Members of the public can sign up to public comment. Three minutes allotted for each public comment.

NRAC Agenda (continued)

11. Next Meeting Date

Unless otherwise notified, the next scheduled meeting is:

Thursday, November 5, 2026 from 1:30 to 3:30 p.m.

This meeting will be held as a hybrid in-person/online event.

12. Adjourn