

Ref.:UTAUS-FA00005586
Railroad Commission Contract No. 455-27-1002

**STATE OF TEXAS
INTERAGENCY COOPERATION CONTRACT**

This Interagency Cooperation Contract (“Contract”) is entered into by and between the State agencies in Texas shown below as Contracting Agencies, pursuant to the authority granted and in compliance with the provisions of “The Interagency Cooperation Act,” Texas Government Code, Ch.771.

I. CONTRACTING AGENCIES:

The Performing Agency: The University of Texas at Austin

Contact Person: Thomas Owens, CRA
Sr. Contracts Negotiator
Office of Sponsored Projects
Peter T. Flawn Academic
Center (FAC), Suite 426
2304 Whitis Ave.
Austin TX 78712-1111

The Receiving Agency: The Railroad Commission of Texas

Contact Person: Reese Miller, CTCD, CTCM
Contract Manager
Operations Division
1701 N. Congress Ave. 10th Floor 180.4C
Austin, TX 78701

II. STATEMENT OF WORK TO BE PERFORMED:

As described in the **DRILLING INSIGHT AND CASING ESTIMATOR SITE, FY2027**, attached to this Contract as Exhibit 1 and incorporated into this Contract for all purposes.

III. BASIS FOR CALCULATING REIMBURSABLE COSTS:

Expenditures shall be reimbursed on a cost-reimbursable basis in accordance with the budget attached hereto as Appendix A- Budget and Appendix B: Budget Justification.

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IV. CONTRACT AMOUNT:

The total of this Contract shall not exceed **\$264,600**.

V. PAYMENT FOR SERVICES:

Payments shall be made by the Receiving Agency on a cost-reimbursable basis upon receipt of monthly invoice from Performing Agency for actual expenditures.

VI. WARRANTIES:

Performing Agency warrants that (1) it has authority to perform the services under authority granted in Section 65.31, Texas Education Code and Chapter 771, Texas Government Code; and (2) the representative signing this Contract on its behalf is authorized by its governing body to sign this Contract.

Receiving Agency warrants that (1) it has the authority to contract for the services under authority granted in Chapter 91, Texas Natural Resources Code, and Chapter 771, Texas Government Code; and (2) the representative signing this Contract on its behalf is authorized by its governing body to sign this Contract.

VII. TERM OF CONTRACT:

This Contract is effective as of **September 1, 2026**, and shall terminate on **August 31, 2027**.

VIII. TERMINATION

In the event of a material failure by a Contracting Agency to perform its duties and obligations in accordance with the terms of this Contract, the other agency may terminate this Contract upon thirty (30) days' advance written notice of termination setting forth the nature of the material failure; provided that, the material failure is through no fault of the terminating agency. The termination will not be effective if the material failure is fully cured prior to the end of the thirty-day period.

A Contracting Agency may terminate this Contract without cause upon thirty (30) days' advance written notice of termination to the other Contracting agency.

IX. CERTIFICATIONS:

The Contracting Agencies certify that, (1) the services specified above are necessary and essential for activities that are properly within the statutory functions and programs of the affected State agencies, (2) the proposed arrangements serve the interest of efficient and economical administration of the State of Texas, and (3) the services, supplies or materials contracted for are not required by Section 21, Article 16 of the Texas Constitution to be supplied under contract given to the lowest responsible bidder.

X. INTELLECTUAL PROPERTY

Performing Agency owns the entire right, title, and interest, including all patents, copyrights and other intellectual property rights, in and to all inventions, discoveries and technology developed solely by Performing Agency in performance of the services under this Agreement.

The Receiving Agency owns the entire right, title, and interest, including all patents, copyrights and other intellectual property rights, in and to all inventions, discoveries and technology developed solely by Receiving Agency in performance of the services under this Agreement.

The Contracting Agencies Jointly own the entire right, title, and interest, including all patents, copyrights and other intellectual property rights, in and to all inventions, discoveries and technology developed jointly by Performing Agency and the Receiving Agency in performance this Agreement ("Joint Technology").

Performing Agency, as authorized by UT System, hereby grants to the Receiving Agency an irrevocable, worldwide, royalty free, perpetual, non-exclusive license to use any invention made solely by Performing Agency or made jointly with the Receiving Agency during the performance of services related to this Agreement for the State's non-commercial purposes. Receiving Agency hereby grants to Performing Agency an irrevocable, worldwide, royalty free, perpetual, non-exclusive license to use any invention made solely by the Receiving Agency or made jointly with Performing Agency during the performance of services related to this Agreement for research and academic non-commercial purposes.

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Duly authorized representatives of the Contracting Agencies have executed and delivered this Contract to be effective as of the Effective Date.

PERFORMING AGENCY

The University of Texas at Austin

Signed by:



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By: Robyn Bertholon

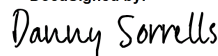
Assistant Director of Contracts
Office of Sponsored Projects

Date: 2026-08-18 | 09:52:30 PDT

RECEIVING AGENCY

Railroad Commission of Texas

DocuSigned by:



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By: Danny Sorrells

Deputy Executive Director
Signing on behalf of Wei
Wang, Executive Director

Date: 8/17/2026



OFFICE OF SPONSORED PROJECTS

Vice President for Research, Scholarship and Creative Endeavors

FAC • 2304 Whitis Avenue Ste 426 • Austin, Texas 78712 • (512) 471-6424 • Mail Code A9000

Date: 7/16/2026

To whom it may concern:

The University of Texas at Austin is pleased to endorse the following proposal enclosed for your review.

Title of Application:	Drilling Insight and Casing Estimator Site, FY 2027	FP Number:	FP00016052
Principal Investigator:	Jeffrey Paine, PhD		
Project Total Costs:	\$264,600		
DUNS/UEI:	170230239/V6AFQPN18437	Cage Code:	9B981
Project Dates:	9/1/2026 to 8/31/2027		

LEGAL IDENTITY

The University of Texas at Austin is an agency of the State of Texas and a component institution of The University of Texas System, governed by the Board of Regents. All awards and agreements must be executed by an authorized official of The University. Individuals, Departments, or Organized Research Units may not directly enter into sponsored research agreements or legally bind The University.

The Office of Sponsored Projects (OSP) serves as the coordinating office for externally funded research projects submitted by The University of Texas at Austin. All proposals to external funding sources for sponsored projects must be submitted through OSP and all awards received for sponsored research must be processed by OSP.

Mailing Address: The University of Texas at Austin
Office of Sponsored Projects
Peter T. Flawn Academic Center (FAC)
2304 Whitis Ave, Suite 426; MC A9000
Austin, Texas 78712-1111

Telephone Number (512) 471-6424
FAX Number (512) 232-6649

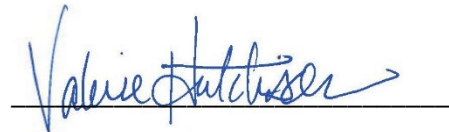
AWARD NEGOTIATION

The University of Texas at Austin reserves the right to negotiate the terms and conditions of any awarded grant or contract. As an institution of higher education, The University of Texas at Austin intends to perform the work under any awarded grant or contract as fundamental research and reserves the right to: 1) require that the provider notify the University if it is to provide any export controlled information;

2) to deny receipt of any export controlled materials; and 3) to reject any restrictions on the University's right to publish or otherwise disseminate information relating to this research.

When required by the funding agency, the University verifies senior/key personnel have completed the research security and other support disclosure requirements training mandated by Section 10634 of the CHIPS and Science Act of 2022.

AUTHORIZED OFFICIAL

A handwritten signature in blue ink, reading "Valerie Hutchison", is written over a horizontal line.

Valerie Hutchison, MBA, Pre-Award Manager, Office of Sponsored Projects
The University of Texas at Austin

ADDITIONAL CONTACTS

Administrative and budgetary matters regarding the proposal:

Ryan Rousch, Sr Proposal Analyst
The University of Texas at Austin
Office of Sponsored Projects
Phone: (512) 232-5651
Email: rousch@austin.utexas.edu

Negotiation and execution of agreement:

The University of Texas at Austin
Office of Sponsored Projects
Peter T. Flawn Academic Center (FAC)
2304 Whitis Ave, Suite 426; (Mail Code A9000)
Austin, Texas 78712-1111
Phone: (512) 471-6424; FAX: (512) 232-6649
Email: osp@austin.utexas.edu

Enclosures:
Proposal Statement of Work
Budget
Budget Justification

**DRILLING INSIGHT AND CASING ESTIMATOR SITE, FY 2027
(9/1/2026 TO 8/31/2027)**

A draft proposal for financial support from the Railroad Commission of Texas

August 1, 2026

Principal Investigator: Jeffrey G. Paine, Bureau of Economic Geology, Jackson School of
Geosciences, The University of Texas at Austin; jeff.paine@beg.utexas.edu

SUMMARY

This project is a collaboration between the Bureau of Economic Geology (“Bureau”) and the Railroad Commission of Texas (“RRC”) and is a continuation of previous work to construct and maintain a public, web-enabled Drilling Insight and Casing Estimator (DICE) site. The project enables the use of public data sets to identify protected groundwater and drilling alert areas, facilitate Areas of Review (AORs) for injection well permitting, and aid in the estimation of material costs for casing and cementing of wells permitted by the RRC. The project includes four general activities: (1) constructing, reviewing, and maintaining digital data sets, (2) aggregating and hosting information for deep artificial penetrations (well locations) relevant to injection well AORs, (3) scanning RRC’s collection of hardcopy geophysical logs (“Q-logs”), and (4) interpreting the geophysical data to assess the base of fresh, Usable Quality Water (UQW), and Underground Sources of Drinking Water (USDW). The DICE site allows the public, oil and gas operators, and RRC staff to view public data sets from RRC, the Bureau, and other state agencies in support of surface casing, well plugging, and other permitted regulatory activities with the goals of protecting fresh water, avoiding drilling hazards, estimating drilling costs, and facilitating injection well AORs.

This project began in 2004 with the development of spatial and tabular data sets for Brazos County, Texas. The project was renewed and expanded in scope to include other counties in subsequent years. In each year since 2004, RRC (or TCEQ before 2012) and the Bureau have selected and prioritized counties and areas of the state for which Q-logs were scanned, subsurface data were interpreted, and information made available to the public. By the end of the fiscal year (FY) 2026 project on 8/31/2026, Q-logs will have been scanned for 203 of the 254 counties in Texas (fig. 1) and groundwater interpretations and DICE site data sets will have been completed for 139 counties (fig. 2).

In 2019, RRC and the Bureau began including drilling hazards and artificial penetrations public datasets to reflect current and evolving needs in the energy industry. In 2023, the site received an updated user interface and back-end database architecture that increased performance and

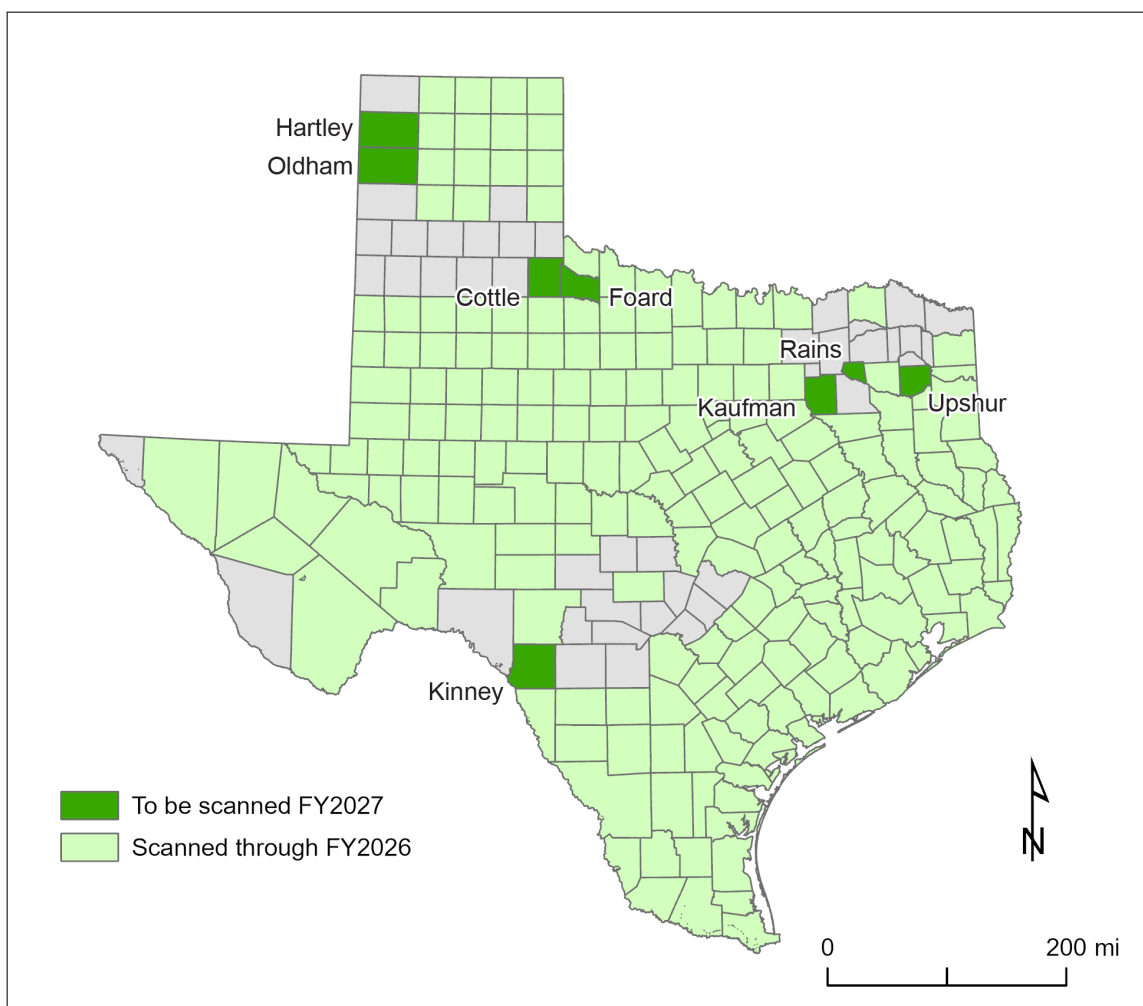


Figure 1. Counties for which Q-log scanning will have been completed through the end of FY 2026, and counties with Q-logs that are proposed to be scanned in FY 2027.

enhanced functionality, including making the process of adding and updating layers easier and making those layers accessible through an internet application programming interface. Drilling alert and artificial penetration layers may include information, especially location and depth, for any natural or manmade subsurface anomaly that could be consequential to subsurface activities, especially drilling of wells and operation of injection wells. Such layers and features may include any type of well, any class of injection well or any mining operations that may be consequential to subsurface activities. This includes public data sets created and maintained by the Bureau and other state agencies. Accordingly, all public data sets have citations including description, proprietorship or ownership, and update frequency. Speculative layers originating inside and outside the RRC are accessible by login access until they are ready for public viewing or are replaced or abandoned.

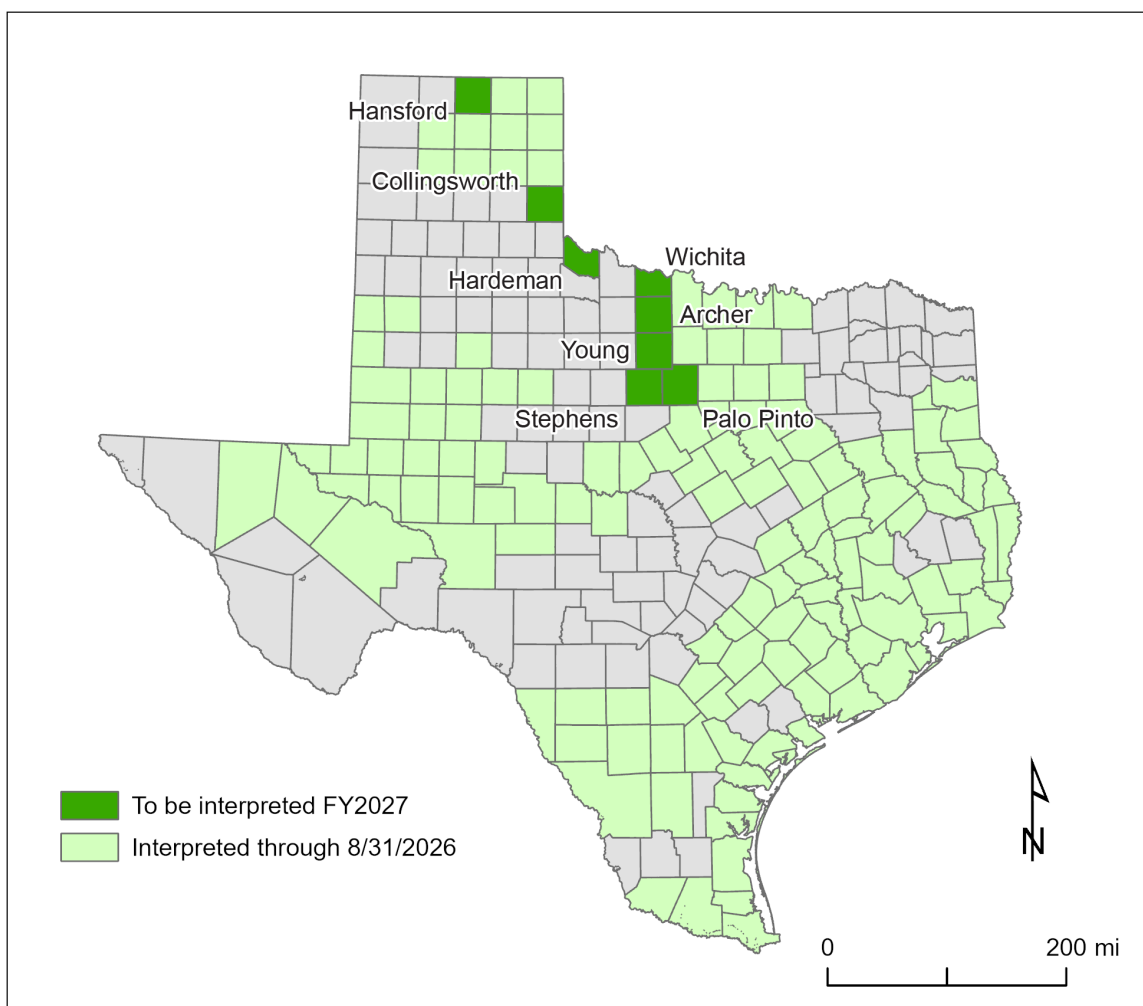


Figure 2. Counties for which interpretation will have been completed through the end of FY 2026 and counties that are proposed to be interpreted in FY 2027 in the Texas Panhandle and north-central Texas.

For FY 2027, RRC and the Bureau propose to: scan RRC Q-logs for eight counties in the Panhandle, southwestern Texas, east Texas, and north-central Texas (fig. 1); interpret surfaces in eight counties in the Panhandle and north-central Texas (fig. 2); add newly interpreted surfaces to the DICE site; and continue to make RRC-requested improvements and minor additions to the site. In addition, tasks related to the planned future use of the DICE site for Underground Injection Control Area of Review (UIC AoR) activities will be completed. The Bureau will close the FY 2027 project with a report documenting the progress made during the fiscal year. It is expected that this project will be renewed each fiscal year until otherwise determined by the RRC.

SCOPE OF WORK

The Bureau research team will scan geophysical logs from the RRC's Q-log files (these logs were transported from RRC to the Bureau's core repository for permanent storage in 2024), interpret key hydrogeological boundaries in RRC-selected counties, continue enhancing the DICE site, and prepare the DICE site for its future use supporting statewide UIC AoR activities. The project includes six tasks as follows:

Task 1: Initiate Project and Scan Q-Logs

The initial task for the FY 2027 project includes meeting with the RRC Technical Permitting staff to select the base set of drilling alert and artificial penetration layers and review protocols for public data set citation, maintenance, and update frequency. Discussions will include methods and schedules for collecting and scanning of Q-logs in counties on the list to be scanned. RRC staff have identified the following eight counties to be scanned during FY 2027 (fig. 1):

- Kaufman County
- Rains County
- Upshur County
- Kinney County
- Cottle County
- Foard County
- Hartley County
- Oldham County

The counties will be scanned in the order listed. If the selected counties are completed before the end of the project year, RRC staff may provide the Bureau with a list of additional counties to scan. RRC staff may, in consultation with the Bureau, adjust the planned log scanning order during FY 2027 as needed to meet agency needs.

In addition to the planned county-focused Q-log scanning, Bureau staff may also identify, locate, and scan additional Q-logs to support the Bureau's ongoing interpretive work on this project. This may include logs in adjacent counties that have not yet been selected for scanning but may be of value to the Bureau's interpretive work.

To support the Q-log scanning and assembly of data sets, the Bureau will also conduct a preliminary study of existing RRC GIS data for the selected counties. Bureau staff will identify Q-logs that have not been digitally located yet from the raster images of the RRC linen location maps or geophysical log headers and review them to determine whether they are suitable for inclusion in the database. If these Q-logs are appropriate for the digital database, Bureau staff will determine locations and add these Q-logs to the digital files for study.

Task 2: Interpret Subsurface Geologic Data for the DICE Site

RRC staff have identified eight counties in the Texas Panhandle and north-central Texas that will be interpreted for this project (fig. 2). These counties are:

- Hansford County (Texas Panhandle)
- Collingsworth County (Texas Panhandle)
- Hardeman County (north-central Texas)
- Wichita County (north-central Texas)
- Archer County (north-central Texas)
- Young County (north-central Texas)
- Palo Pinto County (north-central Texas)
- Stephens County (north-central Texas)

The study intervals or horizons will be determined by RRC staff and may be stratigraphic units or intervals, aquifers, top and base of fresh water (1,000 TDS), base of usable quality water (3,000 TDS), or base of underground sources of drinking water (10,000 TDS), depending on the study county and region of Texas. Interpretation surfaces will be determined in consultation with RRC staff.

Other information may also be used to interpret the data, including water-quality data from the Texas Water Development Board (TWDB), operator water-supply wells, and water-quality data provided by RRC.

Bureau staff will develop GIS attribute tables (data spreadsheets), conduct GIS-based structural gridding and analysis for needed horizons, and construct digital layers used for the Web-enabled database. Resulting surfaces will be reviewed by examining layer overlap and visual inspection and will be adjusted as necessary to produce nonintersecting and gapless coverage.

Task 3: Update and Enhance the DICE Site

Bureau staff will update the DICE site to include the chosen casing depth-related surfaces for the newly interpreted counties, review the database to ensure accuracy, and complete minor database additions and refinements as needed.

Task 4: Determine Data Requirements and Inclusion Criteria for UIC AoR Capability

To prepare the DICE site for future use in facilitating UIC AoR investigations, Bureau researchers will gather UIC AoR-related data needs from RRC, TCEQ, and other stakeholders; organize multi-agency discussions to determine DICE data inclusion criteria; identify and digitize necessary data from undigitized Class I wells; and facilitate development of state agency procedures and tools to ensure DICE data are easily updated to remain reasonably current.

Task 5: Develop Datasets, Connections, and Update Mechanisms for UIC AoR Capability

Bureau staff will develop new datasets and interagency database connections for DICE that will include TCEQ Class I and Class III wells, RRC wells, and TWDB water wells that meet inclusion criteria developed in task 4. Procedures will be developed to automatically update datasets from external agency (RRC, TCEQ, TWDB) sources.

Task 6: Final Report

Bureau staff will prepare and submit a final report to the RRC project manager and the RRC contract manager no later than August 31, 2027. The report may be delivered electronically. The final report will provide an overview of activities undertaken and data collected and analyzed during the project, although the primary deliverables are the scanned log images and the addition of county digital data sets to the web-based DICE site. The final report may also highlight major activities and key findings, provide pertinent water quality and subsurface analysis, and describe encountered problems and associated corrections.

The final report will document any changes in the proposed scope of work from the work that was completed during the fiscal year (for example, if RRC requested changes in the counties to be scanned or interpreted during the project term).

SCHEDULE AND METHODS

Log scanning for the project will start at the beginning of the contract year (September 1, 2026) and will continue to August 31, 2027. Initial activities will also include receipt of data from RRC

staff for the counties to be interpreted. Work on minor updates, additions, and enhancements of the DICE site will be ongoing and will be completed by August 31, 2027. Interpretation of the geologic data will begin after the project start-up tasks are complete. Interpreted data layers will be entered into the data set for the DICE site after analysis and construction of data layers for the study areas. Additions to the DICE site will be completed by August 31, 2027.

1. Begin project – September 1, 2026.
2. Review and update the inventory of alert and artificial penetration layers – ongoing until project completion on August 31, 2027.
3. Scan Q-logs – ongoing until project completion on August 31, 2027.
4. Interpret subsurface geologic data and conduct GIS analyses – ongoing until project completion on August 31, 2027.
5. Maintain DICE site and add new and revised or updated site study areas to the database accessible to the public – ongoing until project completion, August 31, 2027.
6. Conduct data requirement, data gathering, and methods development activities to prepare the DICE site for planned future use in UIC AoR investigations – ongoing until project completion on August 31, 2027
7. Complete new study area updates to DICE site and final report – report and updated DICE site submitted to RRC staff by August 31, 2027.

Work for this project uses data provided by the RRC and limited supplemental data produced internally where needed. ArcGIS Pro software is used to prepare surfaces for the DICE website. Data to be used to prepare surfaces include selected Q-log geophysical logs, RRC Determination and HIT shapefiles, RRC well location files and maps, and other RRC data that may be useful during the study. Data to be reviewed during the interpretation will also include water-quality data from TWDB and from water-quality samples acquired and analyzed by RRC, if provided. Periodic meetings with RRC staff will determine geologic aspects of the study areas that will be the focus of the DICE site. Data used in the water quality surface determinations include raster images of geophysical logs and other sources of water-quality information that are organized and analyzed using Petra and ArcGIS Pro. After data layers are constructed and checked through individual layer evaluation, layers are checked by overlap comparisons. After data layers are entered into the estimator data set for ArcGIS Server, the DICE site is reviewed visually for consistency.

BUDGET

The total budget for this FY 2027 project is \$264,600 (App. A and B).

DELIVERABLES

1. Scanned Q-logs provided to RRC from the counties to be scanned (fig. 1), in the order preferred by RRC (due date: ongoing as Q-logs are scanned, but no later than August 31, 2027).
2. Web-enabled digital database information for counties chosen by RRC (fig. 2) (due date: ongoing, but no later than August 31, 2027).
3. Three quarterly status reports containing status of scanning and interpreting tasks 1 and 2; site upgrades, additions, and enhancements (task 3); preparations for future UIC AoR data requirements, data sets, and site usage and update capability (tasks 4 and 5); and visitation statistics for the DICE site (due on December 15, 2026, March 15, 2027, and June 15, 2027)
4. Final report (Due date: August 31, 2027).

BUREAU RESEARCH STAFF

Jeffrey Paine, Principal Investigator/Research Professor

Aaron Averett, Research Scientist Associate/GIS programmer and analyst

Jennifer Morris, Research Scientist Associate/Geologist

Ben Grunau, Research Scientist Associate/Geologist

William Piejko, Office Assistant

Jeff Paine will serve as Principal Investigator for the project and will coordinate tasks, review progress, perform limited analysis, review, and production of GIS data sets, and prepare reports. Jennifer Morris and Ben Grunau will make geologic and water-quality interpretations, provide information for GIS data sets, perform GIS analyses, coordinate UIC AoR agency interaction to develop data inclusion needs, and contribute to reports. Aaron Averett will perform GIS analyses, assemble final GIS data sets, program data for addition of new study areas to the DICE site, develop data sets and procedures to facilitate planned UIC AoR-related activities that require data set connections and automatic agency data updates, and maintain the DICE site. William Piejko will scan logs, assist with log data searches and locating wells, and assist with Petra and GIS-based log analysis and interpretation as needed.

APPENDIX A: PROPOSED BUDGET

Category	Amount
Salaries	\$148,197
Fringe Benefits	\$41,285
BEG Administrative Costs	\$33,431
Materials and Services	\$394
Computer Usage	\$6,420
Travel	\$360
UT Indirect Costs	\$34,513
TOTAL	\$264,600

APPENDIX B: BUDGET JUSTIFICATION**Salaries and Roles (Researchers)**

All senior personnel are UT employees, employed through the Bureau of Economic Geology. Salary rates are based on currently approved salaries for FY 2026 and are derived from University approved pay plans for the job categories. Salary rates used in the budget are annual salaries, plus longevity pay for those employees who receive it, divided by 12 (months).

Total effort for the principal investigator and collaborating researchers is as follows:

Staff	Effort (months)	Amount
Jeffrey Paine (PI)	0.70	\$12,111.31
Jennifer Morris (geologist)	5.70	\$40,237.06
Ben Grunau (geologist)	5.70	\$40,992.99
William Piejko (log scanner)	6.00	\$23,920.00
Aaron Averett (researcher)	3.10	\$29,973.51

Jeffrey Paine – Principal Investigator, Project Manager; coordinate tasks, review geologic interpretations, monitor progress, and prepare reports.

Jennifer Morris – Geologist; interpret geophysical logs, assemble GIS datasets for relevant stratigraphic and water-bearing horizons, communicate project progress and results with Bureau and RRC staff, provide data for inclusion into DICE site, assist with UIC AoR capability development tasks, and provide updates and summaries for the monthly and final reports.

Ben Grunau – Geologist; interpret geophysical logs, assemble GIS datasets for relevant stratigraphic and water-bearing horizons, communicate project progress and results with Bureau and RRC staff, provide data for inclusion into DICE site, assist with UIC AoR capability development tasks, and provide updates and summaries for the monthly and final reports.

Aaron Averett – IT expert and web programmer; assemble and construct web-enabled GIS datasets, perform GIS analyses, develop UIC AoR DICE site needs and capabilities, and modify and update the DICE site as needed.

William Piejko – Office Assistant; participate in scanning logs, assist with log data searches, and locate wells.

Salaries (Other Staff)

Total effort for non-research staff employed on this project is as follows:

	Effort (months)	Amount
Graphics staff (TBD)	0.10	\$500.00
Editor (TBD)	0.10	\$462.50

Fringe Benefits, Vacation, and Sick Leave Benefits

Fringe benefits are a direct cost to a sponsored project. The University's fringe rates are negotiated with its cognizant agency (DHHS) and are part of the University's F&A Cost Rate Agreement. Rates beyond August 31, 2026 are estimates and are provided for budgeting purposes. If fringe rate straddles fiscal years, fringe rate will be averaged and will be charged at the applicable rate at the time the cost is incurred.

	Approved	Projections for Planning Purposes		
Benefits Eligibility	FY 2026 9/1/25 - 8/31/26	FY 2027 9/1/26 - 8/31/27	FY 2028 9/1/27 - 8/31/28	FY 2029 9/1/28 - 8/31/29
Full- and part-time	32.2%	32.7%	33.2%	33.7%
Graduate students	14.5%	15.0%	15.5%	16.0%
Ineligible	2.7%	2.7%	2.7%	2.7%

Additional fringe benefit rate information can be found at <https://research.utexas.edu/resources/grant-management-services/budgeting>.

Travel

Travel is limited to mileage for trips from the Bureau to RRC or other state agencies for project meetings, data set and connectivity needs discussions, and data transfer. Travel costs follow federal and state rates that were approved at the time the budget was created for mileage, per diem, and airfare. Airfare, mileage, in-state and out of state per diem are based on FY 2026 approved reimbursement rate that can be found here: <https://fm.xcpa.texas.gov/fmx/travel/textravel/rates/current.php>.

Administrative Costs

The Bureau's administrative cost rate is 17% of the total direct costs on projects with a reduced UT indirect cost rate.

Materials, Supplies, and Services

This category includes all expendable supplies for research activities as well as photocopying, report preparation expenses, long distance and cell telephone charges, and other standard office expenses related to this project's report production or office administration specific to this project. Estimates are based upon experience. Only actual expenses as incurred will be charged.

Computer Expenses

Researchers utilize existing computer systems that include a variety of Windows and LINUX workstations, UNIX workstations, mass storage devices, printers and plotters. Separate rates approved by the University are charged for connect time, processing time, and printing. PC usage is based on fixed monthly rates of \$3 per month, approved by the University business office. Computer charges in the budget were computed by the total funded personnel effort months plus personnel effort contributed multiplied by the approved monthly rate.

Indirect Costs

The indirect cost rate of 15% of modified total direct costs is based on the state-agreed rate at the time of the proposal that can be viewed at: <https://research.utexas.edu/osp/resources/fa-memo/>.

Sponsor:	RRC
Proposed Start Date:	9/1/2026
Proposed End Date:	8/31/2027
Total Amount:	\$264,600.00

SubAccount

Title of Project: <i>Drilling Insight and Casing Estimator Site, FY 2027</i>				Sponsor-Yr. 1	Sponsor	Sponsor	
				9/1/26-8/31/27	TOTAL	TOTAL	
PERSONNEL				Months	Funds	EFFORT	
				T1			
	Jeff Paine			0.70	12,111.31	12,111.31	0.70
	(PI)						
	Ben Grunau			5.70	40,237.06	40,237.06	5.70
	(Researcher)						
	Jennifer Morris			5.70	40,992.99	40,992.99	5.70
	(Researcher)						
	Aaron Averett			3.10	29,973.51	29,973.51	3.10
	(Researcher)						
	William Piejko			6.00	23,920.00	23,920.00	6.00
	(Benefits Inelg/ PT Researcher)						
	Seyyed Hosseini			0.00	0.00	0.00	0.00
	(Assoc. Director)						
	TBD			0.10	500.00	500.00	0.10
	(Graphic Illustrator)						
	TBD			0.10	462.50	462.50	0.10
	(Editor)						
12	SUBTOTAL SALARIES			21.40	148,197.37	148,197.37	21.40
14	FRINGE BENEFITS - Salaries				41,284.54	41,284.54	
	F/T fringe				40,638.70		
	P/T fringe				645.84		
29	BEG Admin.				33,431.44	33,431.44	
50	MATERIALS & SERVICES						
	Reproduction and publications				393.61	393.61	
						0.00	
						0.00	
	SUBTOTAL MATERIALS & SERVICES				393.61	393.61	
67	COMPUTER (usage)	IT Service Center			6,420.00	6,420.00	
	VR Usage					0.00	
	Workstation					0.00	
					6,420.00	6,420.00	
TRAVEL				Miles/ Days/ Travelers			
75	Domestic	Meetings	Rates				
	Air Fare		0.50		0.00	0.00	
	Mileage @		0.72	\$ per mile	500.00	360.00	360.00
	Food & Lodging @			\$ per day		0.00	0.00
	All Other Travel Expenses					0.00	
	Subtotal Domestic Travel				360.00	360.00	
	Total Domestic Travel				360.00	360.00	
TOTAL DIRECT COSTS					230,086.96	230,086.96	
Modified Total Direct Costs (MTDC)					230086.96	230,086.96	
90	Total Indirect Costs @		15.0%		34513.04	34,513.04	
Total Project Costs					264,600.00	264,600.00	

Certificate Of Completion

Envelope Id: EA91FE6E-2F65-86BE-8064-143F0EA0315A

Status: Completed

Subject: Complete with Docusign: UTAUS-FA00005586 TRC UT BEG DICE FY 27 (PE).pdf

Source Envelope:

Document Pages: 18

Signatures: 1

Envelope Originator:

Certificate Pages: 1

Initials: 0

Thomas Owens

AutoNav: Enabled

1 University Station

Envelopeld Stamping: Enabled

Austin, TX 78712

Time Zone: (UTC-06:00) Central Time (US & Canada)

owenstm1@eid.utexas.edu

IP Address: 70.112.132.133

Record Tracking

Status: Original

Holder: Thomas Owens

Location: DocuSign

8/18/2026 9:39:22 AM

owenstm1@eid.utexas.edu

Signer Events

Robyn Bertholon

rab6375@eid.utexas.edu

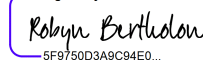
Assistant Director of Contracts

The University of Texas at Austin

Security Level: Email, Account Authentication
(None)

Signature

Signed by:


5F9750D3A9C94E0...

Signature Adoption: Pre-selected Style

Using IP Address: 35.147.189.140

Timestamp

Sent: 8/18/2026 9:52:43 AM

Viewed: 8/18/2026 11:51:15 AM

Signed: 8/18/2026 11:52:30 AM

Electronic Record and Signature Disclosure:

Not Offered via Docusign

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events

Status

Timestamp

Witness Events

Signature

Timestamp

Notary Events

Signature

Timestamp

Envelope Summary Events

Status

Timestamps

Envelope Sent

Hashed/Encrypted

8/18/2026 9:52:43 AM

Certified Delivered

Security Checked

8/18/2026 11:51:15 AM

Signing Complete

Security Checked

8/18/2026 11:52:30 AM

Completed

Security Checked

8/18/2026 11:52:30 AM

Payment Events

Status

Timestamps