

NOTICE OF OPEN MEETING

Notice is given that a **Regular Meeting** of the Board of Directors of the Barton Springs/Edwards Aquifer Conservation District will be held at the **District office**, located at 1124 Regal Row, Austin, Texas, on **Thursday, January 24, 2019**, commencing at **6:00 p.m.** for the following purposes, which may be taken in any order at the discretion of the Board.

Note: The Board of Directors of the Barton Springs/Edwards Aquifer Conservation District reserves the right to meet in Executive Session at any time during the course of this meeting to discuss any of the matters listed on this agenda, as authorized by the Texas Government Code Sections §551.071 (Consultation with Attorney), 551.072 (Deliberations about Real Property), 551.073 (Deliberations about Gifts and Donations), 551.074 (Personnel Matters), 551.076 (Deliberations about Security Devices), 551.087 (Economic Development), 418.183 (Homeland Security). No final action or decision will be made in Executive Session.

1. **Call to Order.**
2. **Citizen Communications (Public Comments of a General Nature).**
3. **Routine Business**
 - a. **Consent Agenda.** *(Note: These items may be considered and approved as one motion. Directors or citizens may request any consent item be removed from the consent agenda, for consideration and possible approval as a separate item of Regular Business on this agenda.)*
 1. Approval of Financial Reports under the Public Funds Investment Act, Directors' Compensation Claims, and Specified Expenditures greater than \$5,000. **NBU**
 2. Approval of minutes of the Board's January 10, 2019, Regular Meeting. **Not for public review at this time**
 - b. **General Manager's Report.** *(Note: Individual topics listed below may be discussed by the Board in this meeting, but no action will be taken unless a topic is specifically posted elsewhere in this agenda as an item for possible action. A Director may request an individual topic that is presented only under this agenda item be placed on the posted agenda of some future meeting for Board discussion and possible action.)*

Topics

- i. Personnel matters
- ii. Upcoming public events of possible interest
- iii. Aquifer conditions and status of drought indicators
- iv. Update on certain projects and activities of individual teams **Pg. 9**
- v. Update on Board committee activity
- vi. Update on Permian Highway Pipeline Project

4. Presentations.

- a. Presentation on the status of development of the District's new database by Wade Oliver, Intera Inc. **Pg. 18**
- b. Presentation on the development of a model to determine the sustainable yield of the Trinity Aquifers by Dr. Brian Smith. **Pg. 19**

5. Directors' Reports.

Directors may report on their involvement in activities and dialogue that are of likely interest to the Board, in one or more of the following topical areas:

- Meetings and conferences attended or that will be attended;
- Board committee updates;
- Conversations with public officials, permittees, stakeholders, and other constituents;
- Commendations; and
- Issues or problems of concern.

6. Adjournment.

Please note: This agenda and available related documentation, if any, have been posted on the District website, www.bseacd.org. If you have a special interest in a particular item on this agenda and would like any additional documentation that may be developed for Board consideration, please let staff know at least 24 hours in advance of the Board Meeting so that we can have those copies made for you.

The Barton Springs/Edwards Aquifer Conservation District is committed to compliance with the Americans with Disabilities Act (ADA). Reasonable accommodations and equal opportunity for effective communications will be provided upon request. Please contact the District office at 512-282-8441 at least 24 hours in advance if accommodation is needed.

Item 1
Call to Order

Item 2

Citizen Communications

Item 3

Routine Business

a. Consent Agenda

(Note: These items may be considered and approved as one motion. Directors or citizens may request any consent item be removed from the consent agenda, for consideration and possible approval as a separate item of Regular Business on this agenda.)

- 1. Approval of Financial Reports under the Public Funds Investment Act, Directors' Compensation Claims, and Specified Expenditures greater than \$5,000.**
- 2. Approval of minutes of the Board's January 10, 2018, Regular Meeting.**

Item 3

Routine Business

- b. General Manager's Report.** *(Note: Topics discussed in the General Manager's Report are intended for general administrative and operational information-transfer purposes. The Directors will not take any action unless the topic is specifically listed elsewhere in this agenda.)*

Topics

- i. Personnel matters**
- ii. Upcoming public events of possible interest**
- iii. Aquifer conditions and status of drought indicators**
- iv. Update on certain projects and activities of individual teams**
- v. Update on Board committee activity**
- vi. Update on Permian Highway Pipeline Project**



JOIN US FOR THE

AUSTIN CAVE FESTIVAL

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FREE

Fun for all ages

Hands-on activities

Learn about cave habitat & aquifers

Explore a cave

Live music & more!

SATURDAY

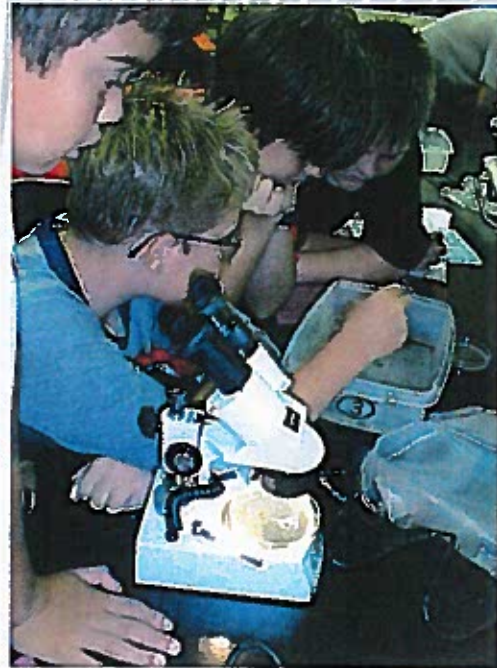
Feb. 23, 2019

10am-3pm

ENGLISH
VERSION

Aquatic Sciences Adventure Camp Summer 2019 Scholarships

The Barton Springs/Edwards Aquifer Conservation District will offer several scholarships (both six-day sleepover & five-day day camp) to the Edwards Aquifer Research and Data Center's Aquatic Science Adventure Camp at Texas State University in San Marcos.



Scholarship winners will learn about Central Texas' water resources through a variety of educational and recreational activities. For more information on the camp, please visit: www.eardc.txstate.edu/camp

The scholarship contest is open to children ages 9 through 15 who reside in one of the six school districts within the District's boundaries. Interested students must submit an application and a 1-page essay/artwork entitled "Why I want to attend the Aquatic Science Adventure Camp!" Scholarship winners will be chosen on the basis of level of effort and creativity.

Only completed applications with essays will be eligible.

The District would like to thank the City of Austin, Texas Lehigh Cement Company, Centex, Creedmoor-Maha WSC, Goforth SUD, and Slaughter Creek Acres WSC for supporting this year's scholarship program. The scholarship program would not be a success without these generous donations!

Deadline for submissions: Tuesday, March 26, 2019.
For more information, rules, and an application form, please visit:
www.bseacd.org/scholarships



**Barton Springs
Edwards Aquifer**
CONSERVATION DISTRICT

2019 SUMMER CAMP SCHOLARSHIP CONTEST

Application Form

Name of Camp Scholarship Applicant: _____

Name of Parent(s) or Legal Guardian(s): _____

Home Mailing Address: _____

City, State, Zip: _____

Parent's Phone Number: _____

Parent's Email: _____

Applicant's School: _____ Grade Level: _____

School District: _____ Age: _____

How did you hear about the camp scholarship program? _____

Please check the box that applies to your child:

<input type="checkbox"/>	I am interested in attending one of the 6-day overnight camps. (Note: Parent will be responsible for providing the registration fee (\$150), which will be the deposit needed to hold the child's spot.)
<input type="checkbox"/>	I am interested in attending one of the 5-day day camps. (Total cost of the camp will be provided by BSEACD.)
<input type="checkbox"/>	I am interested in attending either camp.

Please staple your "Why I want to attend the Aquatic Sciences Adventure Camp!" 1-page essay/artwork to this application and mail/deliver documents to: Camp Scholarship Contest, Barton Springs/Edwards Aquifer Conservation District, 1124 Regal Row, Austin, TX 78748. Applications must be received in the District's office by 5:00 p.m. on Tuesday, March 26, 2019. Scholarship winners will be chosen by Board Committee. Only completed applications with essays/artwork will be eligible for the scholarship contest. *Note: Essays and artwork are selected based on level of effort and creativity.*

I have read and agree to abide by the Rules of the Barton Springs/Edwards Aquifer Conservation District Camp Scholarship Contest and I have not won a BSEACD Camp Scholarship previously. In addition, if selected as a scholarship recipient, I grant permission to use my name, photo, or essay in any manner deemed appropriate by the District.

Student Signature _____ Date _____

Parent or Guardian Signature: _____ Date _____

BARTON SPRINGS/EDWARDS AQUIFER CONSERVATION DISTRICT CAMP SCHOLARSHIP CONTEST RULES

1) ELIGIBILITY

- a) The Barton Springs/Edwards Aquifer Conservation District's Camp Scholarship program will provide:
 - \$599 scholarships to the Edwards Aquifer Research and Data Center's Week-Long Aquatic Science Adventure Camp (Note: Parent will be responsible for providing the other \$150 of the camp fee, which will be the deposit needed to hold the child's spot.)
 - \$349 scholarships to the Edwards Aquifer Research and Data Center's 5-Day Aquatic Science Adventure Camp (Note: All \$349 will be paid for by BSEACD.)
 - For more information on the camp and its activities, please visit: <http://www.eardc.txstate.edu/camp.html>
- b) Scholarship contest is open to children ages 9 through 15. Students must reside in one of the eight school districts within the District boundaries. These school districts are: Austin, Del Valle, Dripping Springs, Eanes, Hays Consolidated, Lockhart, San Marcos Consolidated, and Wimberley.
- c) Students must attend a public, private, or other accredited school located within the boundaries of those school districts. Home-schooled students living within these boundaries are also eligible.
- d) Students who have previously been awarded a BSEACD Camp or Groundwater Essay Contest Scholarship are not eligible.

2) SUBMISSION GUIDELINES

A completed application form that contains contestant's name and contact information should accompany each 1-page essay/artwork. Essays must be completed by the applicant and address why the student would like to attend the camp and what they hope to learn/do while there. Essay cannot be longer than one page and can include artwork.

Applications and essays must be received in the office by 5:00 p.m. on Tuesday, March 26, 2019. The Board of Directors reserves the right to refuse distribution of funds if minimum guidelines are not satisfied.

3) JUDGING CRITERIA

Scholarship winners will be chosen on the basis of level of effort and creativity; only completed applications with essays/artwork will be eligible. Parents will be notified in April 2019 if their child's name is chosen. District staff will arrange for the appropriate paperwork to be completed, and parents will be expected to provide registration materials in a timely fashion. Failure to do so will result in forfeiture of the scholarship.

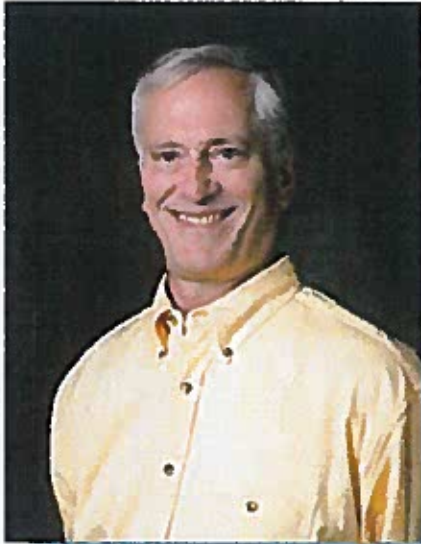


**Barton Springs
Edwards Aquifer**
CONSERVATION DISTRICT

KENT S. BUTLER MEMORIAL GROUNDWATER STEWARDSHIP SCHOLARSHIP APPLICATION FORM

Application Deadline: March 26, 2019

Scholarship Amount: \$2,500



Each year, the Barton Springs/Edwards Aquifer Conservation District (BSEACD), in collaboration with our permittees, offers a college scholarship dedicated as a memorial scholarship honoring one of Austin's most influential environmental planners, Kent Butler. Dr. Butler specialized in bringing science and policy together. He encouraged open conversation, collaboration, and participation from all perspectives.

The Kent S. Butler Groundwater Stewardship Scholarship Essay Contest increases the awareness of groundwater issues by rewarding high school students for high quality research and writing. The \$2,500 scholarship can be applied toward tuition for any college, community college, or training institution.

A panel of independent judges reviews all essays and score them based on content, accuracy of information, originality, grammar, quality of research, and style. The judges represent a cross-section of skills and expertise.

Essays must generally discuss groundwater issues, which may include but are not limited to:

- Non-point source pollution
- Pollution prevention
- Water conservation
- Hydrogeology

While essays must focus on groundwater issues, applicants do not have to be planning a career path in a water-related field.

The essay contest is open to high school juniors, seniors, and immediate graduates. Students must reside in one of the eight school districts overlapping the District boundary. These school districts are: Austin, Del Valle, Dripping Springs, Eanes, Hays Consolidated, Lockhart, San Marcos Consolidated, and Wimberley.

BSEACD is a groundwater conservation district charged by the Texas Legislature to preserve, conserve, and protect the aquifers and groundwater resources within its jurisdiction, which includes parts of three Central Texas counties. It is governed by a Board of five elected directors and staffed with hydrogeologists, groundwater regulatory compliance specialists, environmental educators, geospatial systems specialists, and administrative support personnel.



**Barton Springs
Edwards Aquifer**
CONSERVATION DISTRICT

KENT S. BUTLER MEMORIAL GROUNDWATER STEWARDSHIP SCHOLARSHIP

APPLICATION FORM

Application Deadline: March 26, 2019

Scholarship Amount: \$2,500

Name of Applicant: _____

Home Mailing Address: _____

City, State, Zip: _____

Home Phone: _____ Email: _____

Name of Parent(s) or Legal Guardian(s): _____

Mailing Address (if different than above): _____

Parent's Work Phone and Email: _____

Applicant's High School: _____ School District: _____

Expected Graduation Date: _____ OR Expected date of G.E.D. _____

How did you hear about the scholarship program? _____

Scholarship Application Checklist (please mark that you have included all 5 elements):

<input type="checkbox"/>	Completed Scholarship Application Form
<input type="checkbox"/>	Statement of Purpose – This document should be no more than one typed page and should discuss the applicant's interest and reasons for applying. DO NOT include your name on this page, but DO include the title of your essay
<input type="checkbox"/>	High School Transcript – Provide an official copy of your transcript or documentation regarding the intent to take the GED or copy of GED certificate
<input type="checkbox"/>	Groundwater Essay – Essays must discuss general groundwater issues that may include, but are not limited to, non-point source pollution, pollution prevention, water conservation, or hydrogeology.
<input type="checkbox"/>	Bibliography – Please cite your sources.

Please staple your statement of purpose, high school transcript, and essay to this application and mail or hand deliver documents to Scholarship Contest, BSEACD, 1124 Regal Row, Austin, TX 78748. Application packet must be received by 5:00 p.m. on Tuesday, March 26, 2019.

I have read and agree to abide by the Rules of the Barton Springs/Edwards Aquifer Conservation District Scholarship Contest. In addition, I grant permission to the BSEACD to use part or all of my essay if it is a winner in any manner deemed appropriate by the District, which may include, but is not limited to, publication of the entire essay.

Student Signature _____ Date _____

Parent or Guardian Signature _____ Date _____

BARTON SPRINGS/EDWARDS AQUIFER CONSERVATION DISTRICT
KENT S. BUTLER MEMORIAL
GROUNDWATER STEWARDSHIP SCHOLARSHIP
ESSAY CONTEST GUIDELINES AND RULES

The District's college scholarship is dedicated as a memorial scholarship honoring one of Austin's most influential environmental planners, Kent Butler. Dr. Butler specialized in bringing science and policy together. He encouraged open conversation, collaboration, and participation from all perspectives. The Kent S. Butler Groundwater Stewardship Scholarship Essay Contest increases the awareness of groundwater issues by rewarding high school students for high quality research and writing. The \$2,500 scholarship can be applied toward tuition for any college, community college, or training institution. A panel of independent judges reviews all essays and score them based on content, accuracy of information, originality, grammar, quality of research, and style. The judges represent a cross-section of skills and expertise.

Essays must generally discuss groundwater issues, which may include but are not limited to non-point source pollution, pollution prevention, water conservation, hydrogeology, or other groundwater topic. While essays must focus on groundwater issues, applicants do not have to be planning a career path in a water-related field.

1) ELIGIBILITY

- a) The essay contest is open to high school juniors, seniors, and immediate graduates. Students must reside in one of the eight school districts overlapping the District boundary. These eight independent school districts are: Austin, Del Valle, Dripping Springs, Eanes, Hays Consolidated, Lockhart, San Marcos Consolidated, and Wimberley.
- b) Students must attend (or have attended) a public, private, or other accredited school located within the boundaries of those school districts.
- c) Students should be currently attending high school or alternatively have graduated or completed their G.E.D. within the academic year for which the scholarship contest is being held. (If G.E.D. will be taken after the submission deadline, proof of intent to take G.E.D. should be submitted with application. G.E.D. students who are awarded a scholarship must submit a copy of their G.E.D. certificate prior to District disbursement of funds.)
- d) Students who have previously been awarded a BSEACD scholarship are not eligible.

2) JUDGING CRITERIA

Essays will be judged on the basis of originality (30%), quality and style of writing (20%), grammar and spelling (20%), accuracy of information (20%), and bibliography and proper citation of information used in the essay (10%). All applications must also include a statement of purpose and a high school transcript.

3) ESSAY GUIDELINES

- a) Format:
 - i) Page margins of one inch on all sides, typewritten in Times or Times New Roman font, double-spaced, 12-point text.
 - ii) Between 1,000 and 1,500 words OR no more than six pages single-sided or three pages double-sided.
 - iii) Please do not include images or photos. Graphs and maps are acceptable.
 - iv) **Please include a bibliography and cite your sources.**
- b) Topic:

The topic of essays for the contest must discuss general groundwater issues that may include but are not limited to non-point source pollution, pollution prevention, water conservation, and hydrogeology.

4) SUBMISSION GUIDELINES

- a) A completed application form that contains contestant's name and contact information should accompany each essay. Essays should be titled, but the contestant's name should not appear anywhere on the pages of the essay so that they may remain anonymous during the judging. (Upon arrival at the District office, essays will be numbered and the application will be separated from the essay. This is to ensure that judges will not know who authored the essay).
- b) Applications and essays may be stapled together and need not be put in a folder or slick report cover.
- c) Essays must be received by 5:00 p.m. on the deadline.

5) SELECTION OF JUDGES

- a) District staff will solicit input from the Board of Directors and will select between six and ten judges each scholastic year to score essays. Only one District staff person and either one District Board member or Advisory Committee member may judge essays in any scholastic year.
- b) The additional judges will be individuals who live or work within the counties containing eligible schools.
- c) The same individuals may not be judges in consecutive years of the scholarship contest.
- d) Judges for the BSEACD Scholarship contest must not be aware of the author of any essay or have advised any contestant on the writing of an essay for the BSEACD contest.
- e) No individual may be a judge if they are related in any way to a contestant.

6) JUDGING

- a) Each judge will review and score essays on the basis of the criteria outlined above.
- b) An average score for each essay will be calculated and used to determine winners.
- c) If there are more than 20 applicants with eligible essays, essays will be divided into groups and scored by a subset of judges. The essays that received the top three highest scores out of each group will be submitted to a subcommittee of the Board plus the GM for final nomination.

7) AWARDS

- a) Amounts:
One scholarship of \$2,500 will be given to the top essay as determined through the judging process described above.
- b) Payments:
 - i) Scholarship will be paid to the college, university, training, or other educational entity of the winner's choice to be applied towards their education or training for the 2019-2020 school year (or the 2020-2021 school year if the winner is currently a junior).
 - ii) The winner must request that the District send payment for the total of his or her award by August 31st following the award of the scholarship. Otherwise, the award money will revert back to the District.
 - iii) At the time of the request, if the winner is under 18, a letter of acknowledgment signed by the winner's parent or legal guardian must accompany the request.
 - iv) The Board of Directors reserves the right to refuse distribution of funds if minimum guidelines and rules are not satisfied.

8) WINNING ESSAYS

- a) The District reserves the right to reprint in summary, part, or whole the winning essay of its scholarship contest and any photos of the winner.
- b) Winning essays from prior BSEACD scholarship contest years may not be re-entered in the BSEACD scholarship contest.
- c) Winning essays from other essay contests may not be entered or re-entered in the BSEACD scholarship contest.

Item 4

Presentations

- a. Presentation on the status of development of the District's new database by Wade Oliver, Intera Inc.**
- b. Presentation on the development of a model to determine the sustainable yield of the Trinity Aquifers by Dr. Brian Smith.**

Barton Springs - Edwards Aquifer Conservation District

Schedule for Development of an Integrated Groundwater Data Management and Reporting System

January 1, 2019

	January	February	March	April	May
Phase 2 - Design					
Procure/setup server, install basic software					
Review existing system					
Design core database					
Design basic layouts					
Load existing SQL data					
Develop prototype application: Core database + basic web views					
"placeholder" layouts					
Testing and meeting with District to discuss prototype					
Finalize design, functional requirements, work plan, and project schedule for Phases 3 and 4					
Phase 3 - Development and Testing					
Back-End Database and Scripts					
Web-Mapping Interface					
Administrative Module (incl. permissions, bulk I/O functions)					
Well Registration and Permitting					
Meter Production Reporting and Permit Compliance					
Drought Compliance					
Field Interface Edits (Registration, Inspection)					
Scientific Tools and Geodatabase					
Well Data Module					
Custom queries and reports					
Iterative Development with District					
Alpha Testing (with District Assistance)					
Phase 4 - Migration and Deployment					
Final data migration					
Beta testing (with District Assistance)					
Backup and security launch					
Phase 5 - Documentation and Support					
On-site training meeting					
User documentation					
Developer documentation					
Technical support and maintenance plans					
Meetings					
Weekly Progress Meetings (Conf. Call)	★	★	★	★	★
On-Site Training Meeting (On-Site)					★

Item 5

Director's Reports

Directors' Reports.

Directors may report on their involvement in activities and dialogue that are of likely interest to the Board, in one or more of the following topical areas:

- **Meetings and conferences attended or that will be attended;**
- **Committee formation and updates;**
- **Conversations with public officials, permittees, stakeholders, and other constituents;**
- **Commendations; and**
- **Issues or problems of concern.**

Item 6

Adjournment