

ERICA LEE McCORMICK

University of Texas at Austin, Jackson School of Geosciences
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EDUCATION

B.S. Environmental Science, Geology	University of Texas at Austin	2020
High School (boarding)	Phillips Exeter Academy, NH	2016
High School (semester)	Milton Mountain School, VT	F2014

PROFESSIONAL POSITIONS HELD

Staff Researcher, Jackson School of Geosciences, Univ. of Texas at Austin Supervisor: Dr. Daniella Rempe, Vadose Zone Hydrology & Ecohydrology	2021-Present
Summer Intern, U.S. Forest Service, Pacific Southwest Research Station Supervisor: Dr. David Dralle	Summer 2020
Undergraduate Researcher, Jackson School of Geosciences, Univ. of Texas at Austin Supervisor: Dr. Daniella Rempe, Vadose Zone Hydrology Lab	2019-2020
Supervisor: Dr. Ashley Matheny, Ecohydrology Lab	2018-2020
Undergraduate Researcher, Department of Geography, Univ. of Texas at Austin Supervisor: Dr. Timothy Beach and Sara Eshleman, Geoarchaeology & Soil Lab	2017-2020

HONORS & AWARDS

GCA Zone VI Fellowship in Urban Forestry, Garden Club of America, <i>Garden Club of America</i>	2019
Plan II Skaaren Climate Fellowship, <i>College of Liberal Arts, UT Austin</i>	2019
Plan II Travel Grant <i>College of Liberal Arts, UT Austin</i>	2018
Undergraduate Research Grant, <i>College of Liberal Arts, UT Austin</i>	2018

PEER REVIEWED PUBLICATIONS

Google Scholar <https://scholar.google.com/citations?user=XnvaTh4AAAAJhl=en>
Orcid ID: 0000-0002-7160-398X

In print, in press or accepted:

4. **E. L. McCormick**, D. Dralle, W. J. Hahm, A. Tune, L. Schmidt, K. D. Chadwick, D. M. Rempe. Evidence for widespread woody plant use of water stored in bedrock, Accepted: Nature (2021). <http://doi.org/10.1038/s41586-021-03761-3>.
3. D. Dralle, W.J. Hahm, K. Dana Chadwick, **E. L. McCormick**, D. M. Rempe. (2021) Technical note: Accounting for snow in the estimation of root-zone water storage capacity from precipitation and evapotranspiration fluxes. *Hydrology and Earth System Sciences*. 10.5194/hess-25-2861-2021.
2. Mursinna, A.R., **E. L. McCormick**, K. Van Horn, L. Sartin, A.M. Matheny (2018) Plant hydraulic trait co-variation: a global meta-analysis to reduce degrees of freedom in trait-based hydrologic models. *Forests*. 10.3390/f9080446. **Cover Article**.
1. Matheny, A.M., P. Marchetto, J. Powell, A. Rechner, J.-Y. Chuah, **E. L. McCormick**, S. Pierce (2019) LEAF: Logger for Ecological and Atmospheric Factors. *HardwareX*. 10.1016/j.ohx.2019.e00079.

PUBLISHED DATASETS AND CODE

2. **E. L. McCormick**, D. Dralle, W. J. Hahm, A. Tune, L. Schmidt, D. Chadwick, D. Rempe (2021). Dataset for "Evidence for widespread woody plant use of water stored in bedrock", HydroShare, <https://doi.org/10.4211/hs.a2f0d5fd10>
1. **E. L. McCormick**, D. Dralle, W. J. Hahm, A. Tune, L. Schmidt, K. D. Chadwick, D. M. Rempe. Code for manuscript: "Evidence for widespread woody plant use of water stored in bedrock." (v1.0.0). Zenodo. <https://doi.org/10.5281/zenodo.4904037>.

Conference Presentations

° Invited

1. °**E. L. McCormick**, D. Dralle, W. J. Hahm, K. D. Chadwick, A. K. Tune, L. Schmidt, D. M. Rempe. Weathered bedrock commonly supplies water to woody plants. (Upcoming, 2021). American Geophysical Union Fall Meeting.
2. Gary, M., Applied Karst Hydrogeology Team (2019). Surface Water - Groundwater Interaction and Background Water Quality of Honey Creek and the Middle Trinity Aquifer in Comal County, Texas. Presentation, South Central Texas Water Research Interest Group, San Antonio, TX.
3. Rechner, A., He, C., Cabraal, S., Baiocchi, J., Demir, C., Denham, A., Edgington, A., Ferrari, B., Fisher, C., Goldfarb, E., Jones, B., Manlove, H., **McCormick, E. L.**, Pedrazas, M., Restrepo Acavedo, A.M., Roumelis, C., Smith-Salgado, C., Trcka, J., Beal, L., Southard, P., Ferencz, S., Li, L., Perkins, G., Roback, R., O'Connor, M., Matheny, M. (2019) Groundwater and surface water interactions in the Valles Caldera Watershed, New Mexico: An evaluation of water chemistry sensitivity to precipitation variability. Poster Presentation, American Geophysical Union, San Francisco, CA.
4. Rutherford, T., Gorjian, V., Paulsen, T., Granucci, N., Blackwell, J., Jenkins, K., **McCormick, E. L.**, Rosseau, B. (2014) Color-Magnitude Relationships Among Quasars and Type 1 Seyfert Galaxies, American Astronomical Society, Seattle, WA.

MENTEES

High School Students

Name	Date of Supervision	Role	Current Status
Yesenia Delarosa (<i>Austin ISD</i>)	2018-2019	Lab assistant	Undergraduate (<i>UT</i>)

TEACHING EXPERIENCE

University of Texas at Austin, Department of Geological Science

GEO 371/391 Vadose Zone Hydrology (Web Based) Undergraduate/Graduate

Teaching Assistant S2021; Professor: Dr. Daniella Rempe; Enrollment: 18 students (9 grad, 9 undergrad)

University of Texas at Austin, College of Liberal Arts

TC 358 Law and Ethics of Climate Change (Web Based) Undergraduate

Teaching Assistant F2020; Professor: Amon Burton; Enrollment: 18 students

COMMUNITY SERVICE

Volunteer: Yellow Bike Project, (*Austin, TX*)

Volunteer: Helping Hand Home for Children, (*Austin, TX*)

Care-taker & Gardener: Camphill Callan & Ballytobin, (*Ireland*)

Aug 2020 - Present

Oct 2017 - June 2018

Jan 2016 - March 2016